



FIG. 2A

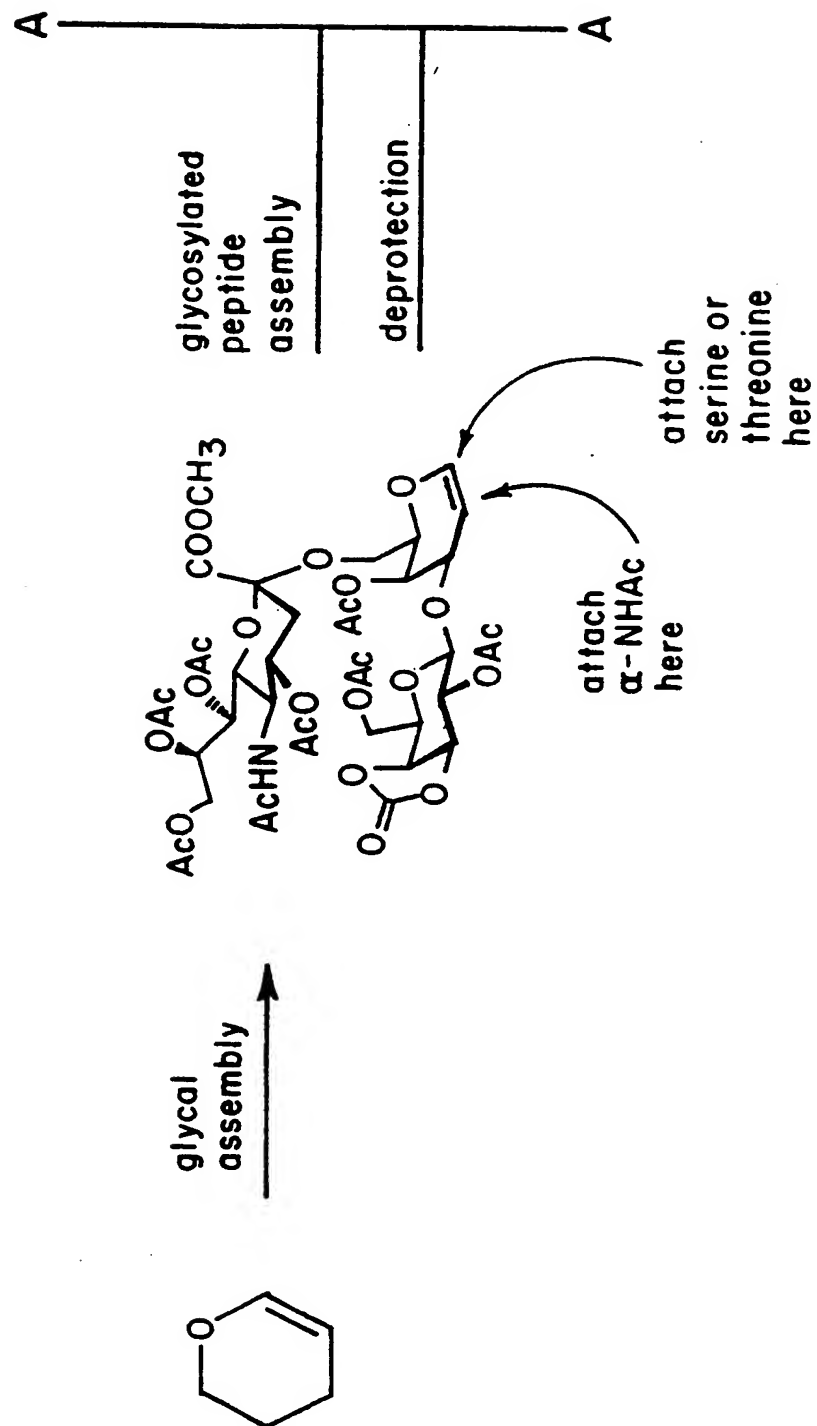
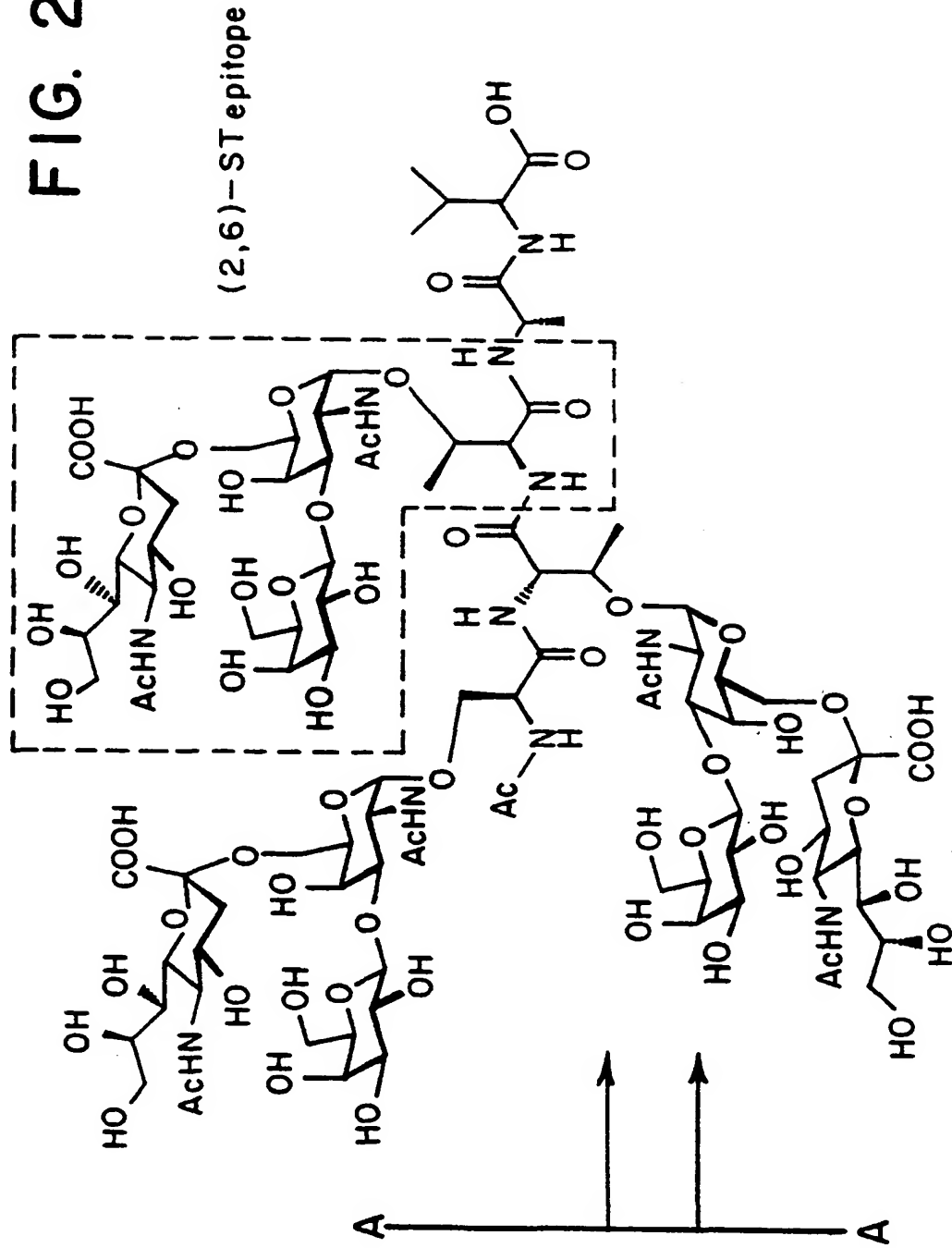


FIG. 2B



N-terminus of CD43 glycoprotein with clustered  
(2,6)-Sialyl T epitopes

FIG. 3

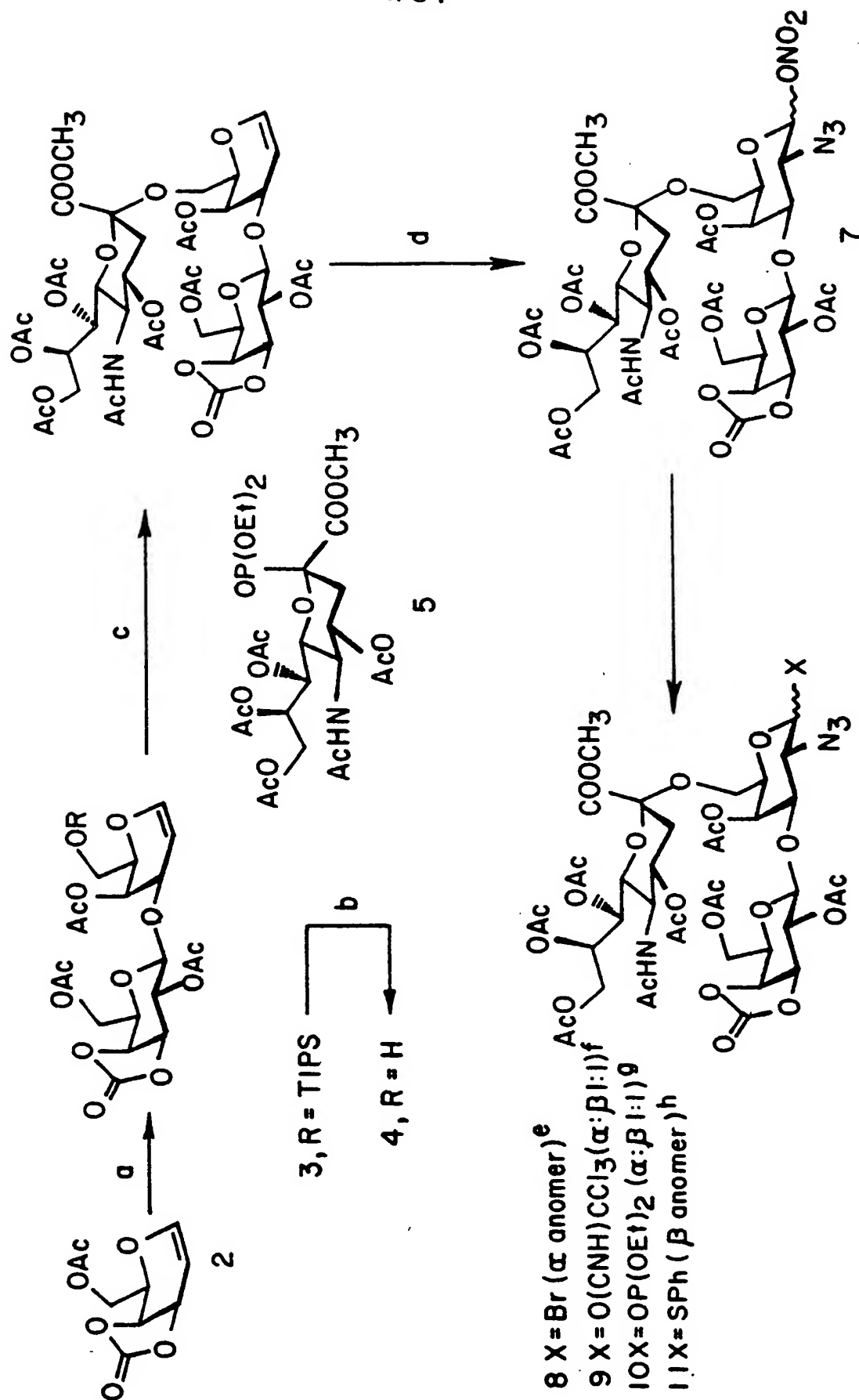
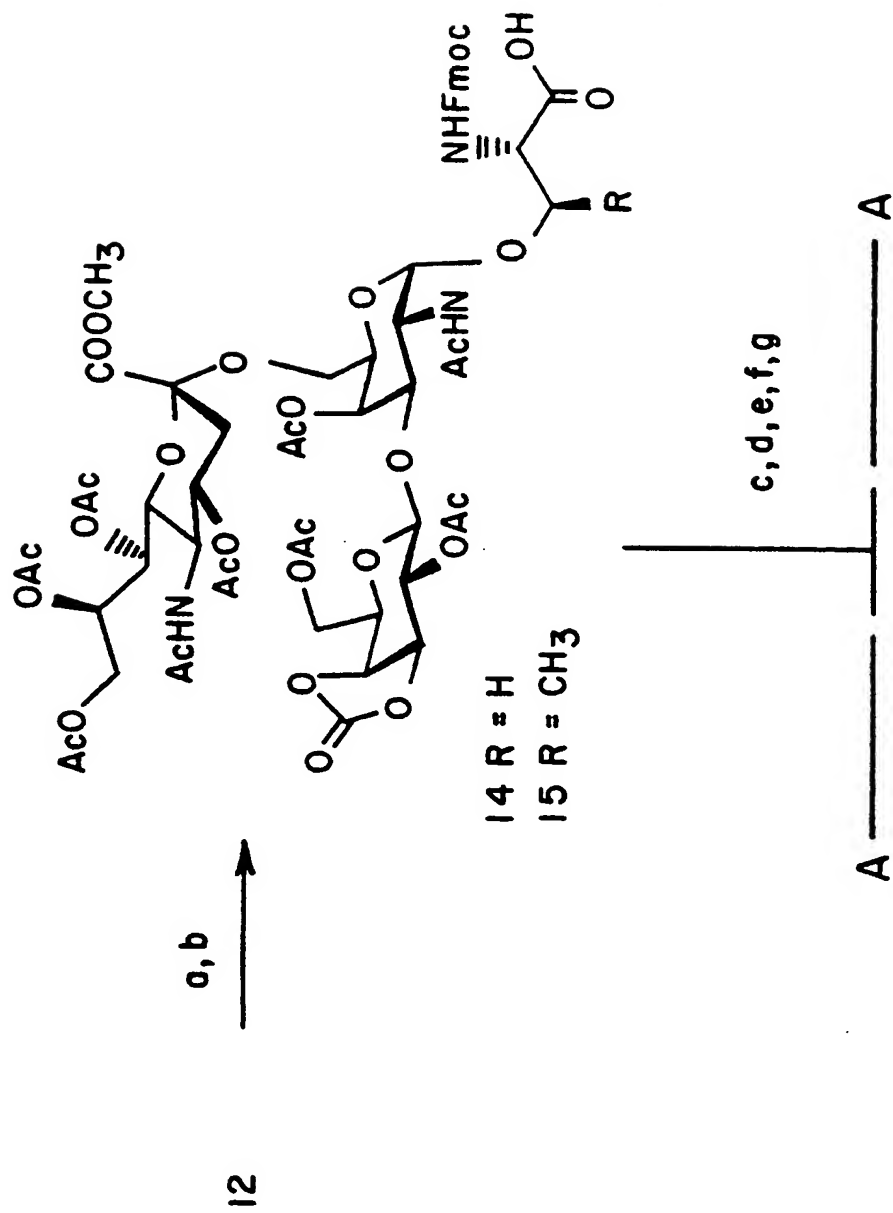


FIG. 4A



**FIG. 4B**

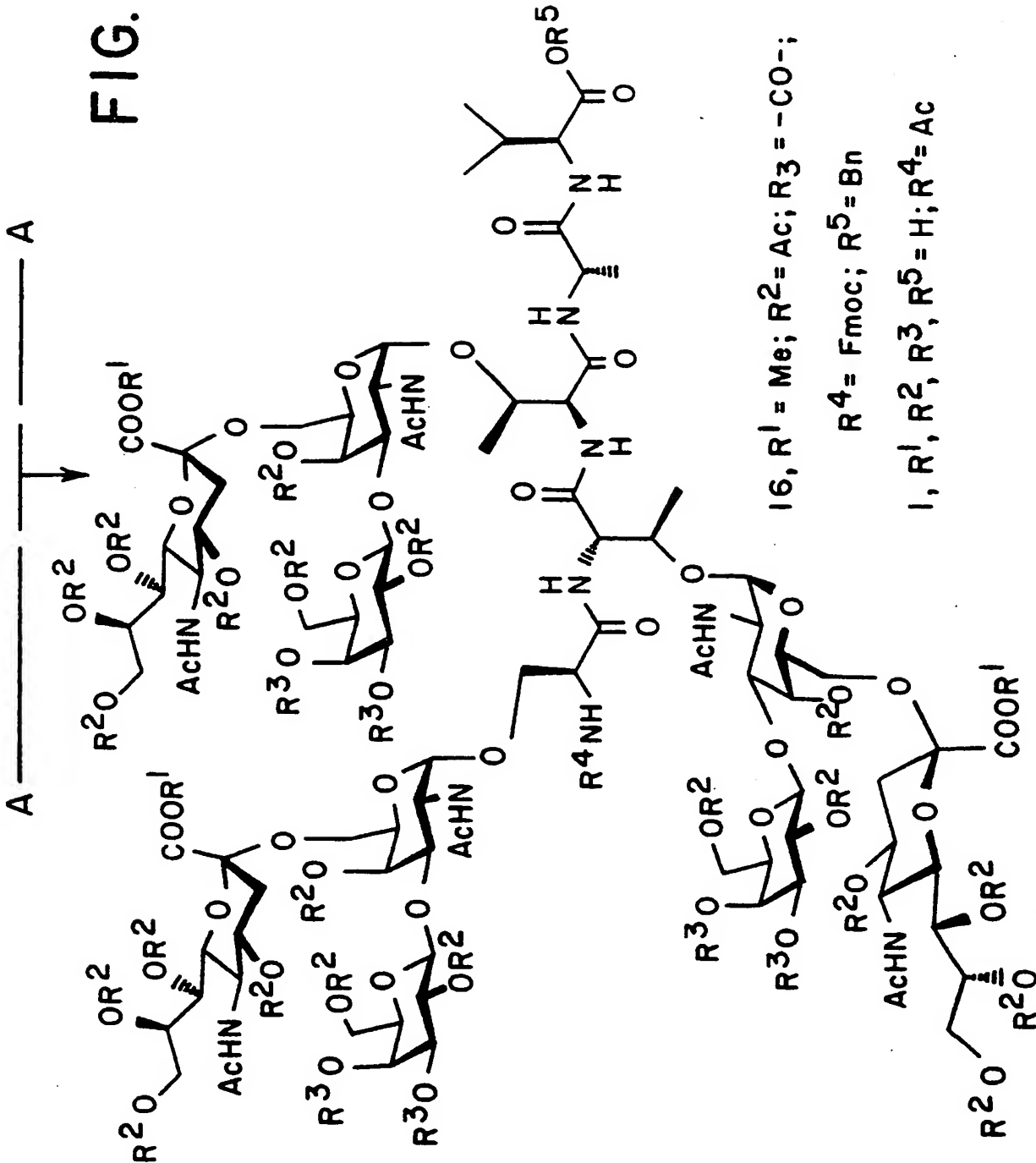
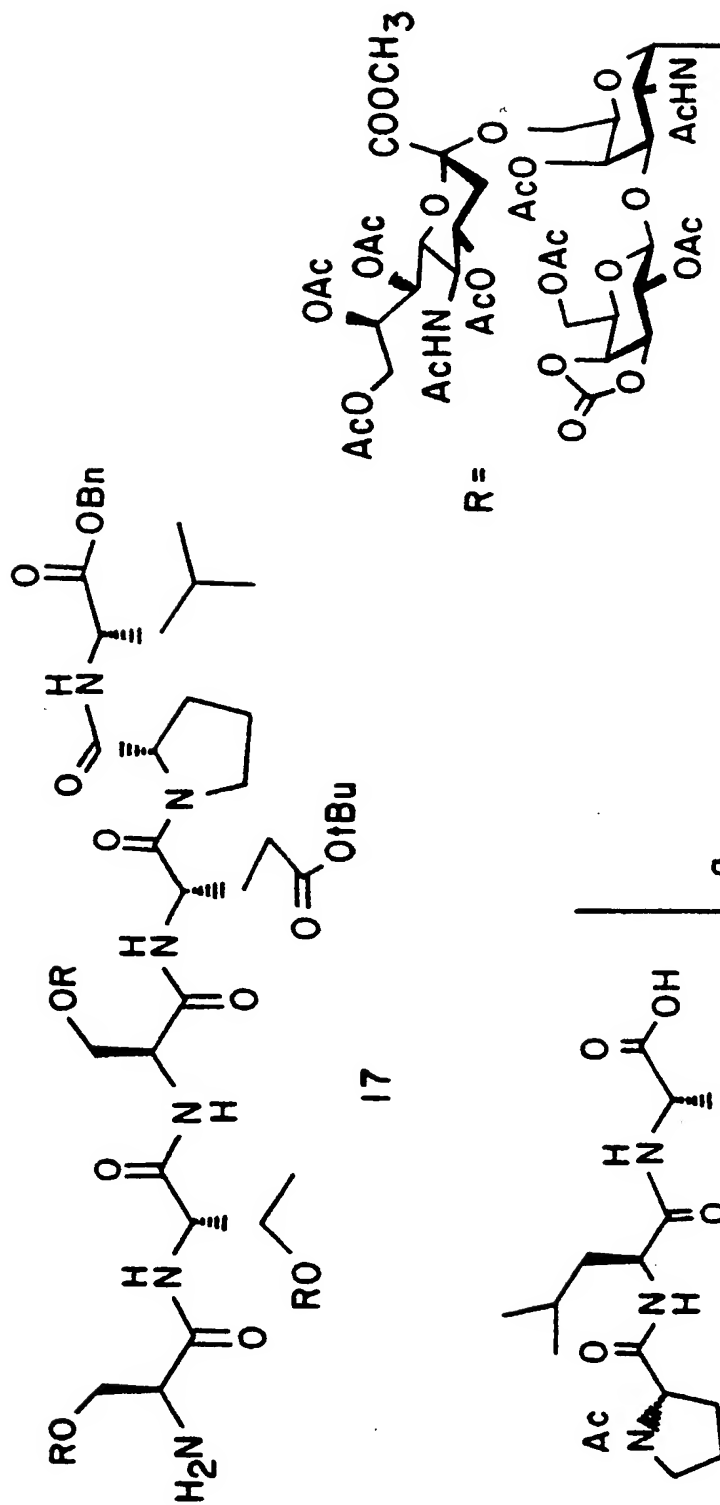


FIG. 5A



A ——— A

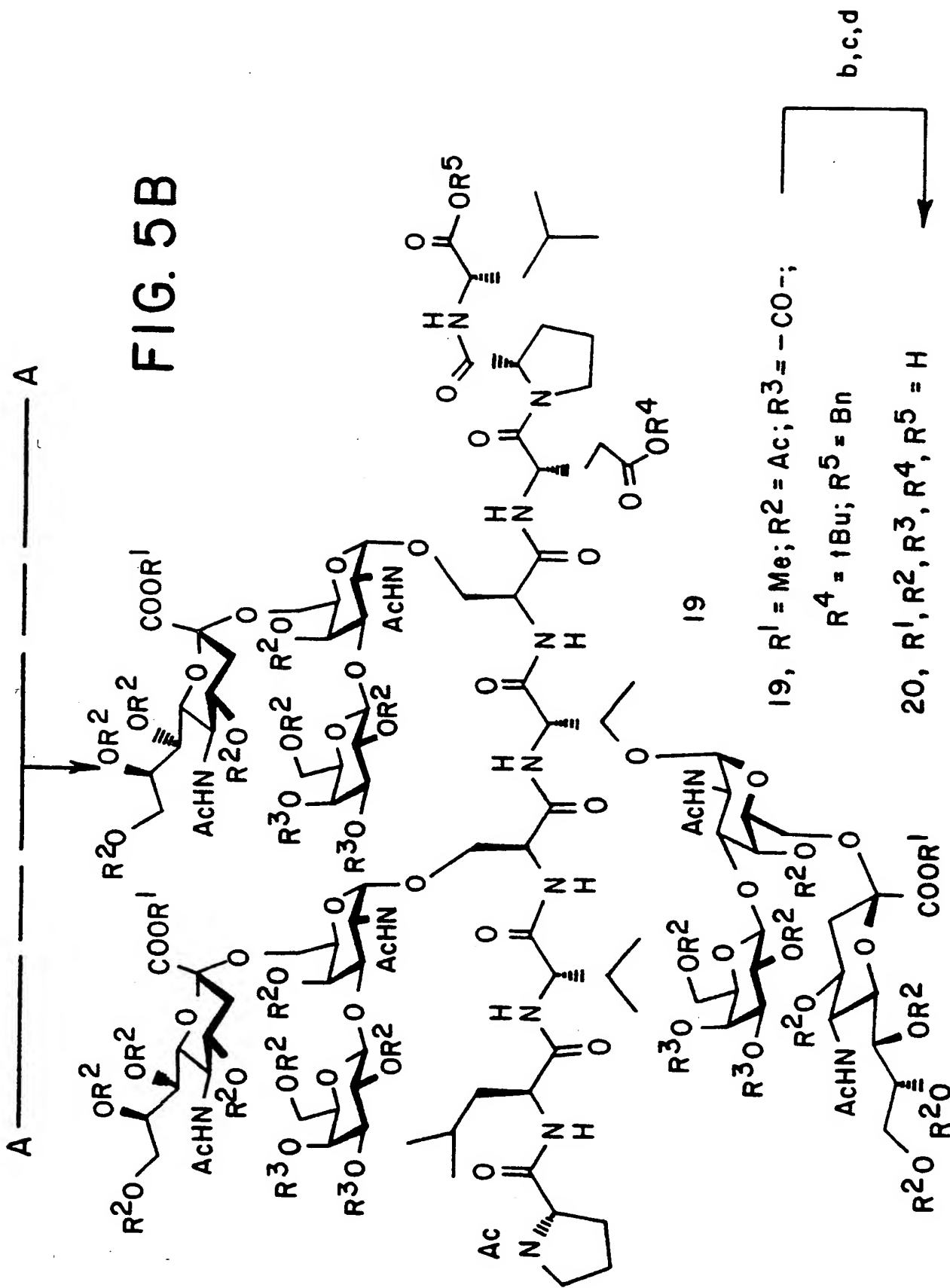




FIG. 6

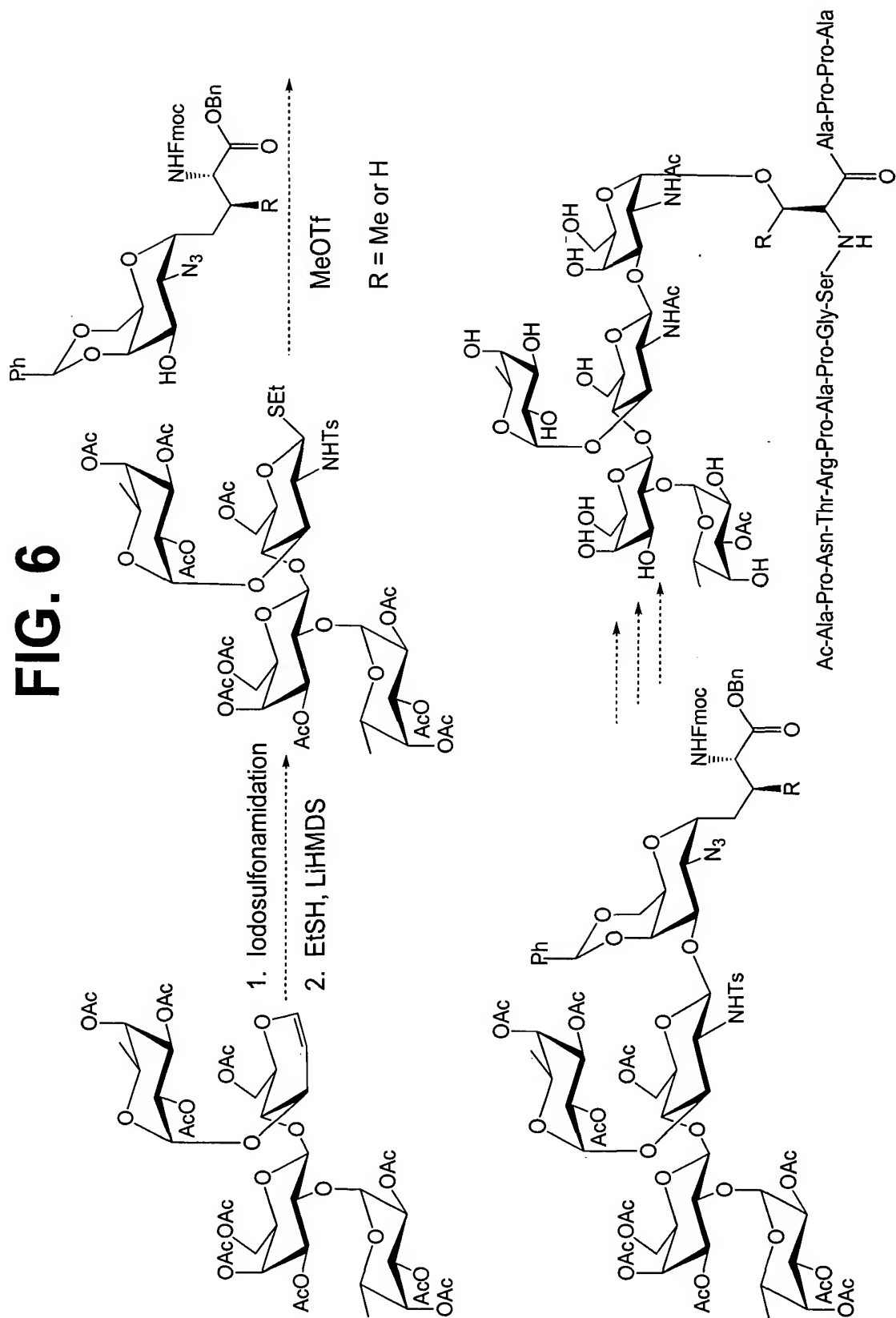
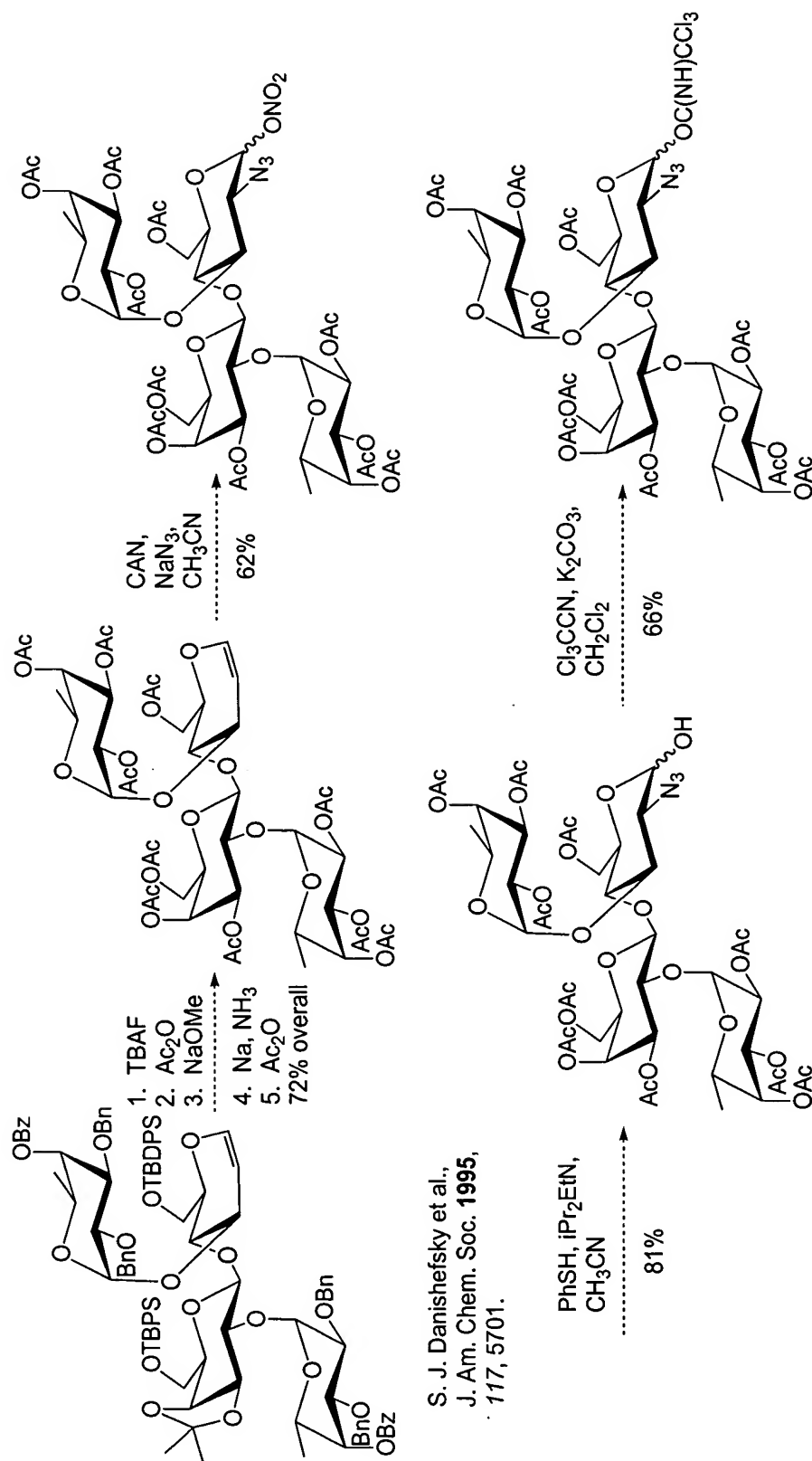
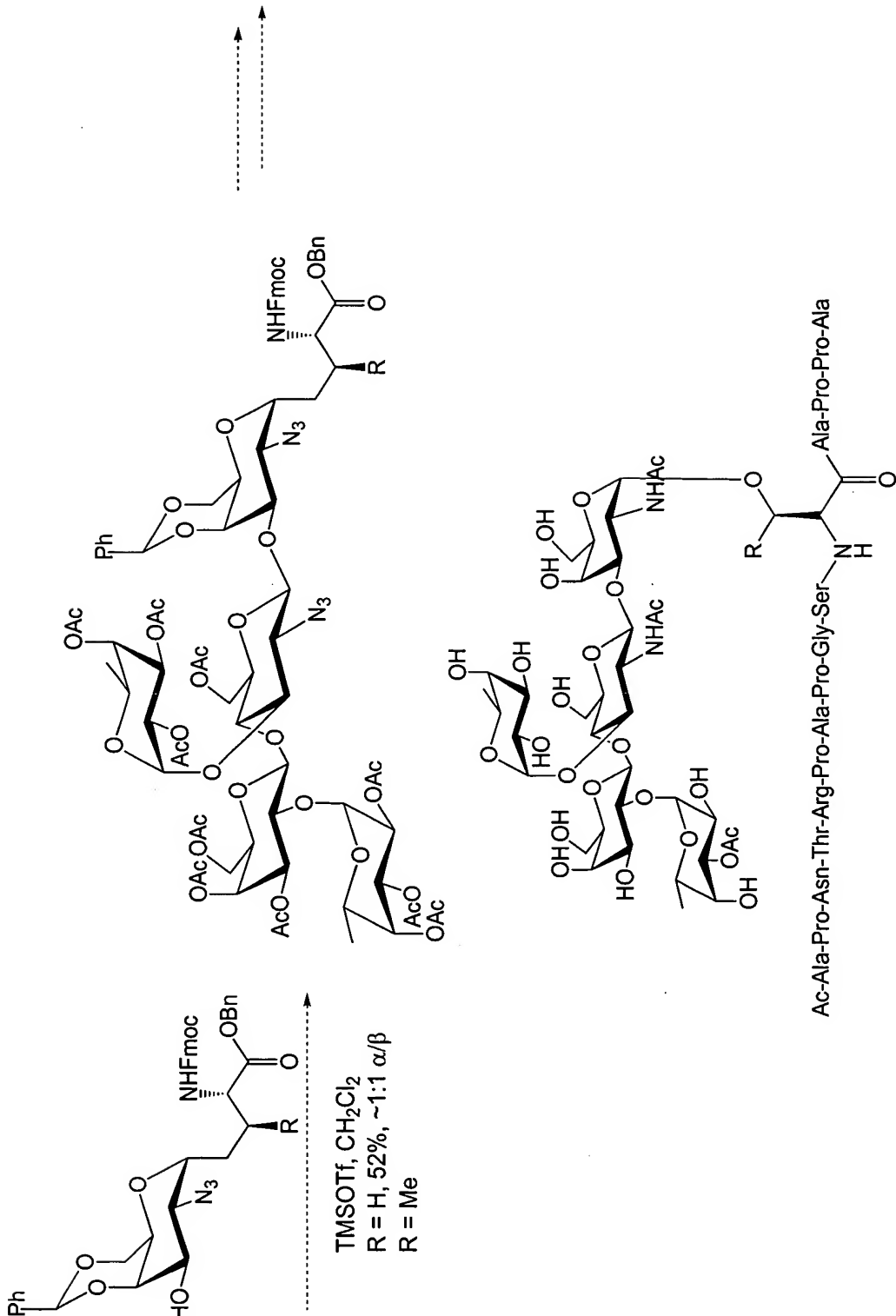


FIG. 7A



**FIG. 7B**



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FIG. 8A

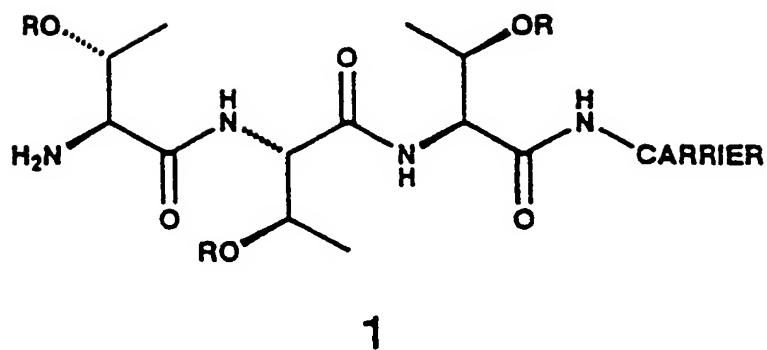


FIG. 8B

ST<sub>N</sub> 1a, R =

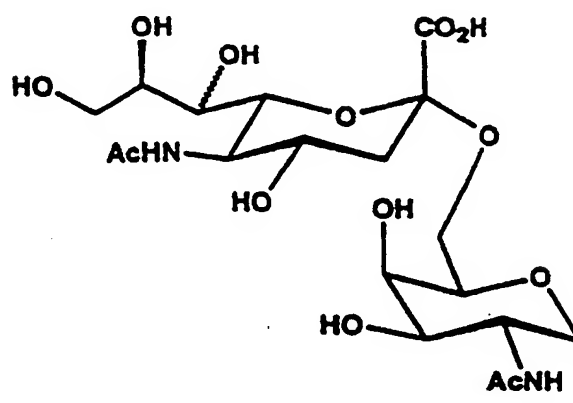


FIG. 8C

T(TF) 1b, R =

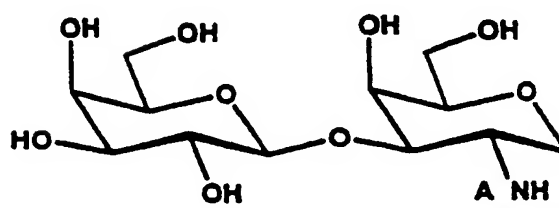


FIG. 8D

(2,3)ST 1c, R =

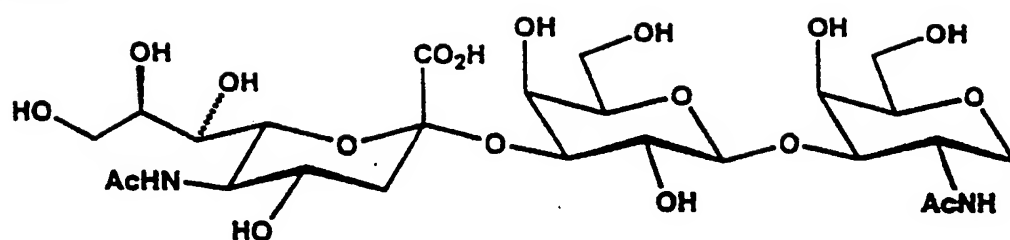
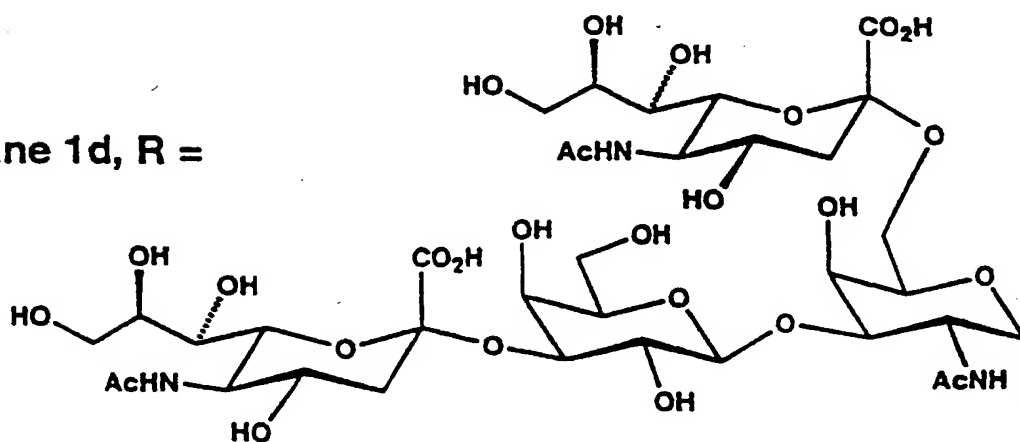


FIG. 8E

Glycophorine 1d, R =



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FIG. 9A

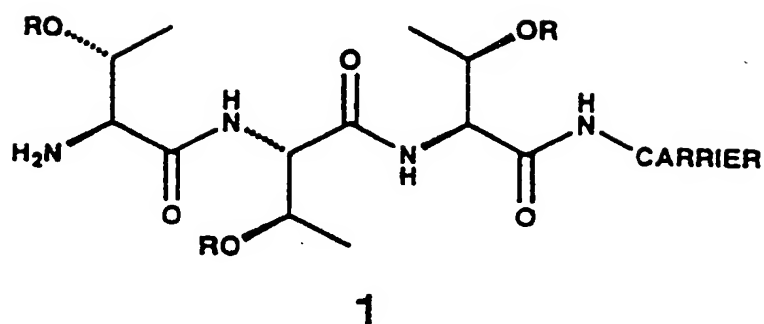


FIG. 9B

3-Le<sup>y</sup> 1e, R =

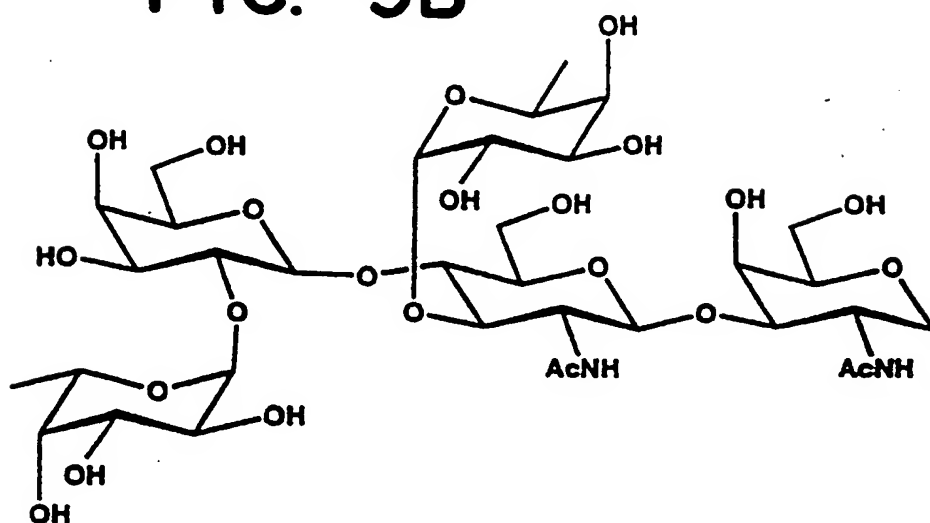


FIG. 9C

6-Le<sup>y</sup> 1f, R =

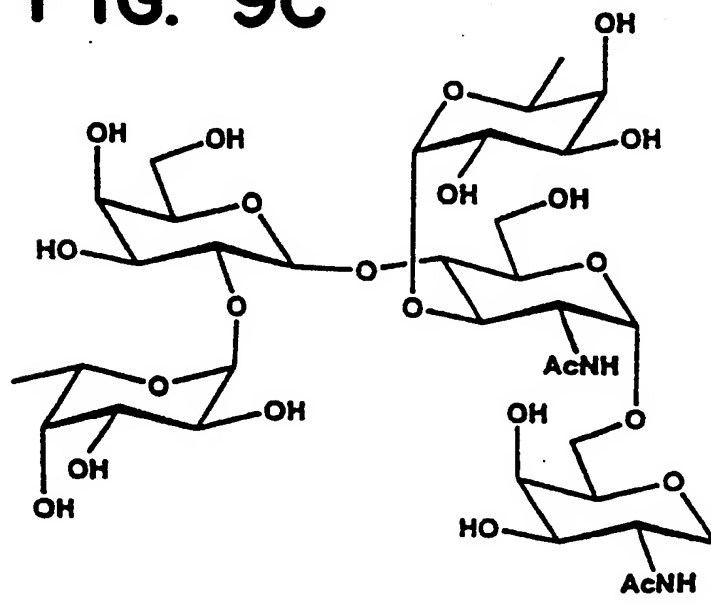


FIG. 10A

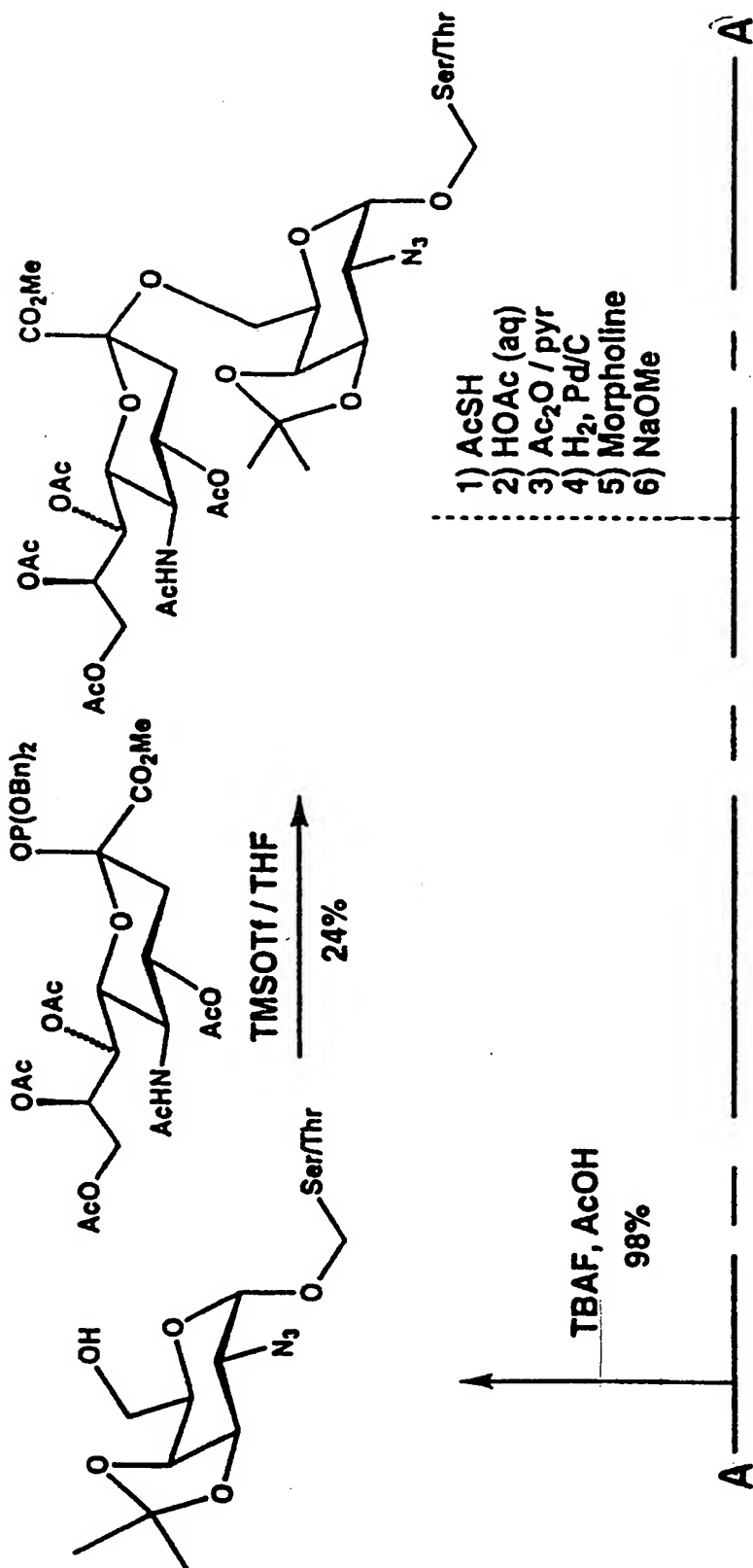
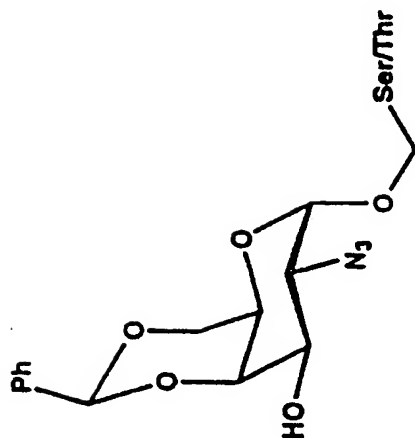


FIG. 10B

A

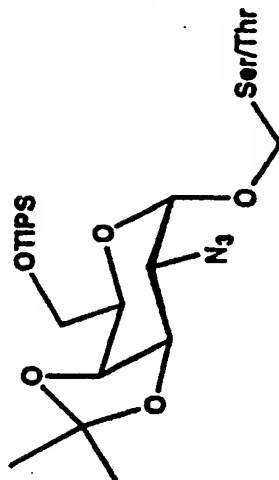
A

STN 1a

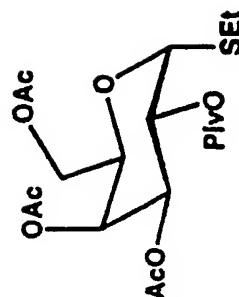


1) I<sub>2</sub>, MeOH  
2) PhCH(OMe)<sub>2</sub>

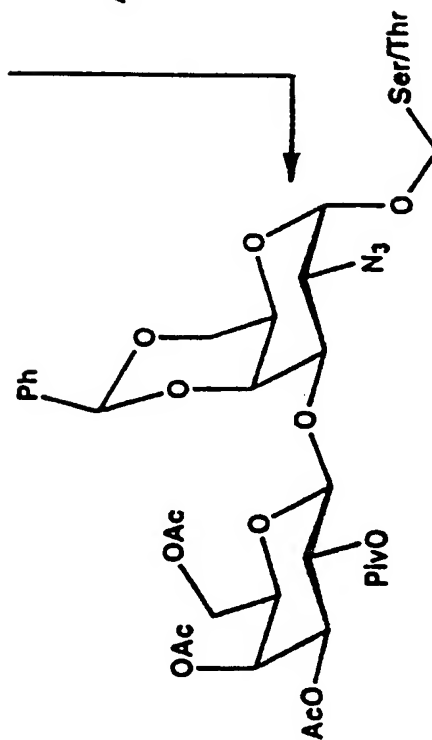
42% Thr  
69% Ser



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MeOTf  
25%



Global Deprotection

T(TF) 1b



FIG. IIA

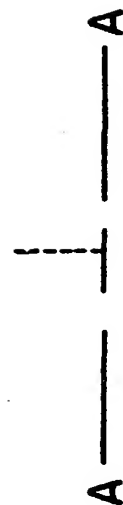
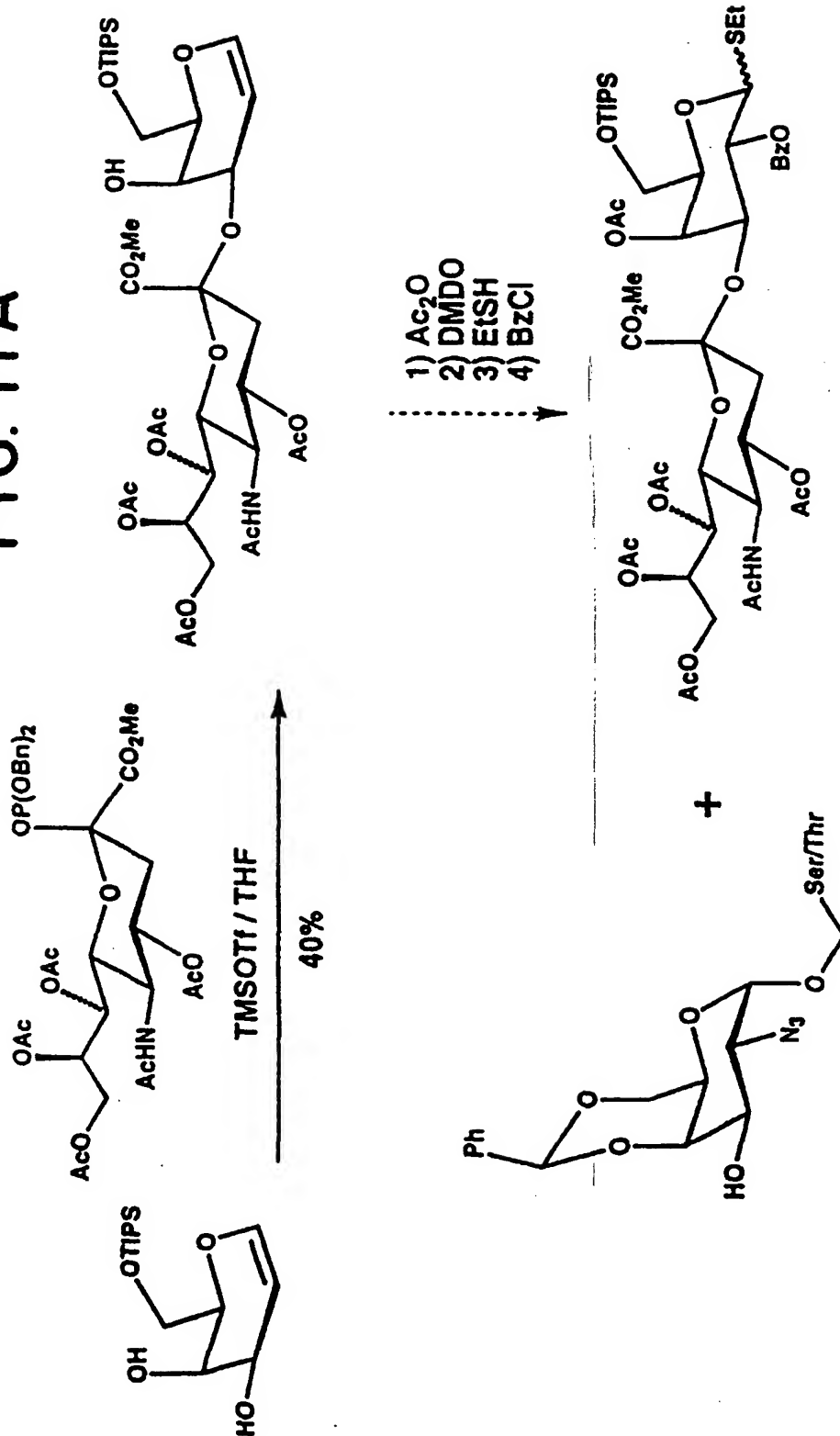
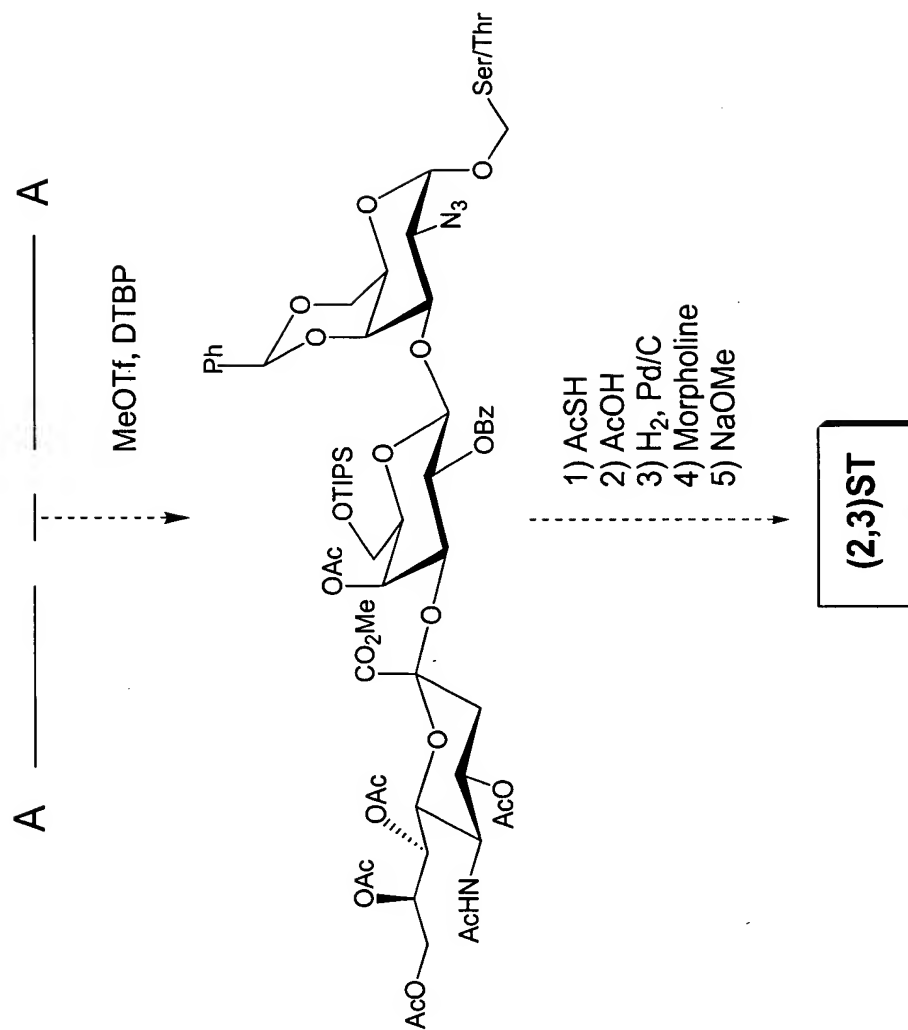
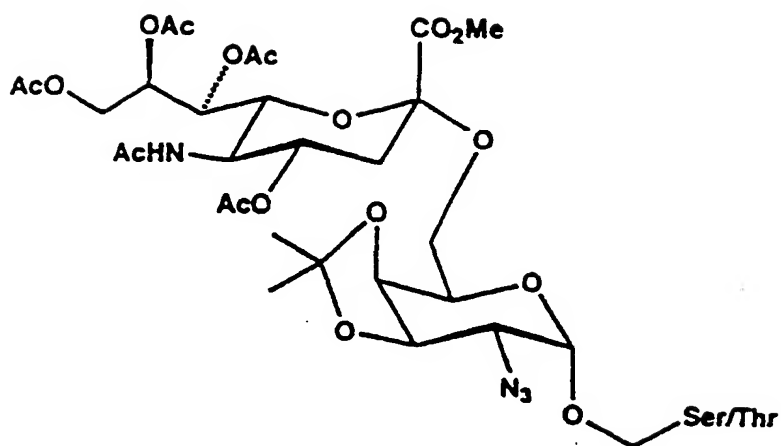


FIG. 11B



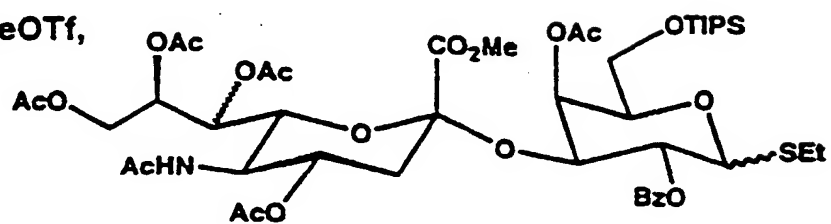
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# FIG. 12A



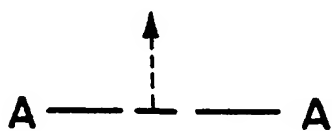
1) AcOH

2) MeOTf,



3) Global Deprotection

Glycophorine 1d



## FIG. 12 B

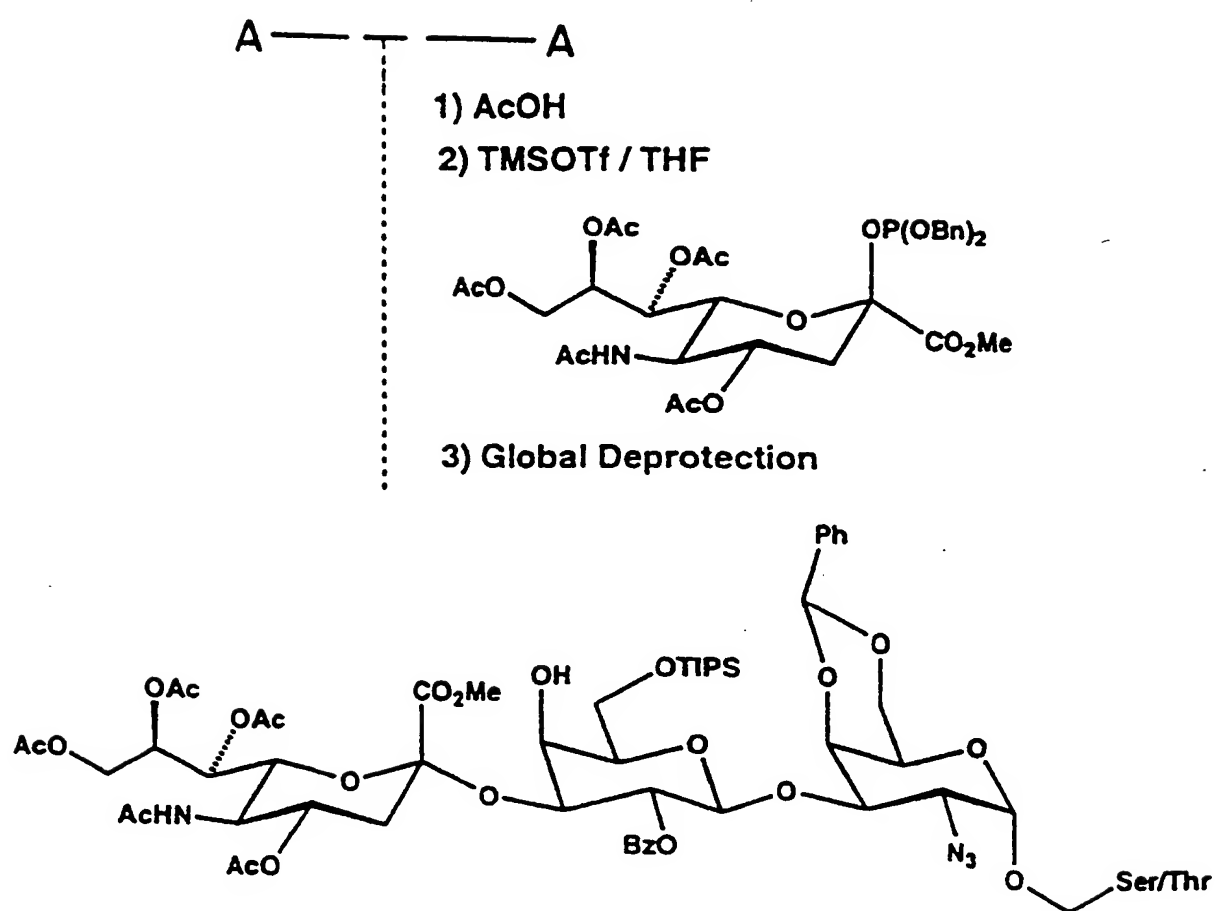


FIG. 13A

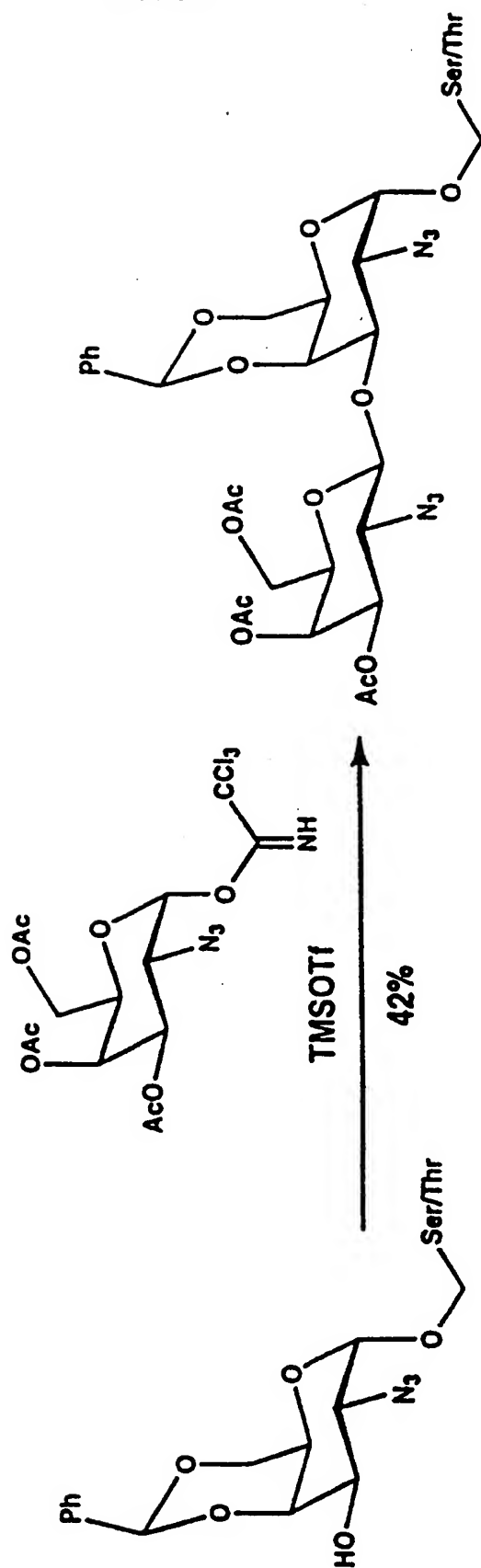


FIG. 13B

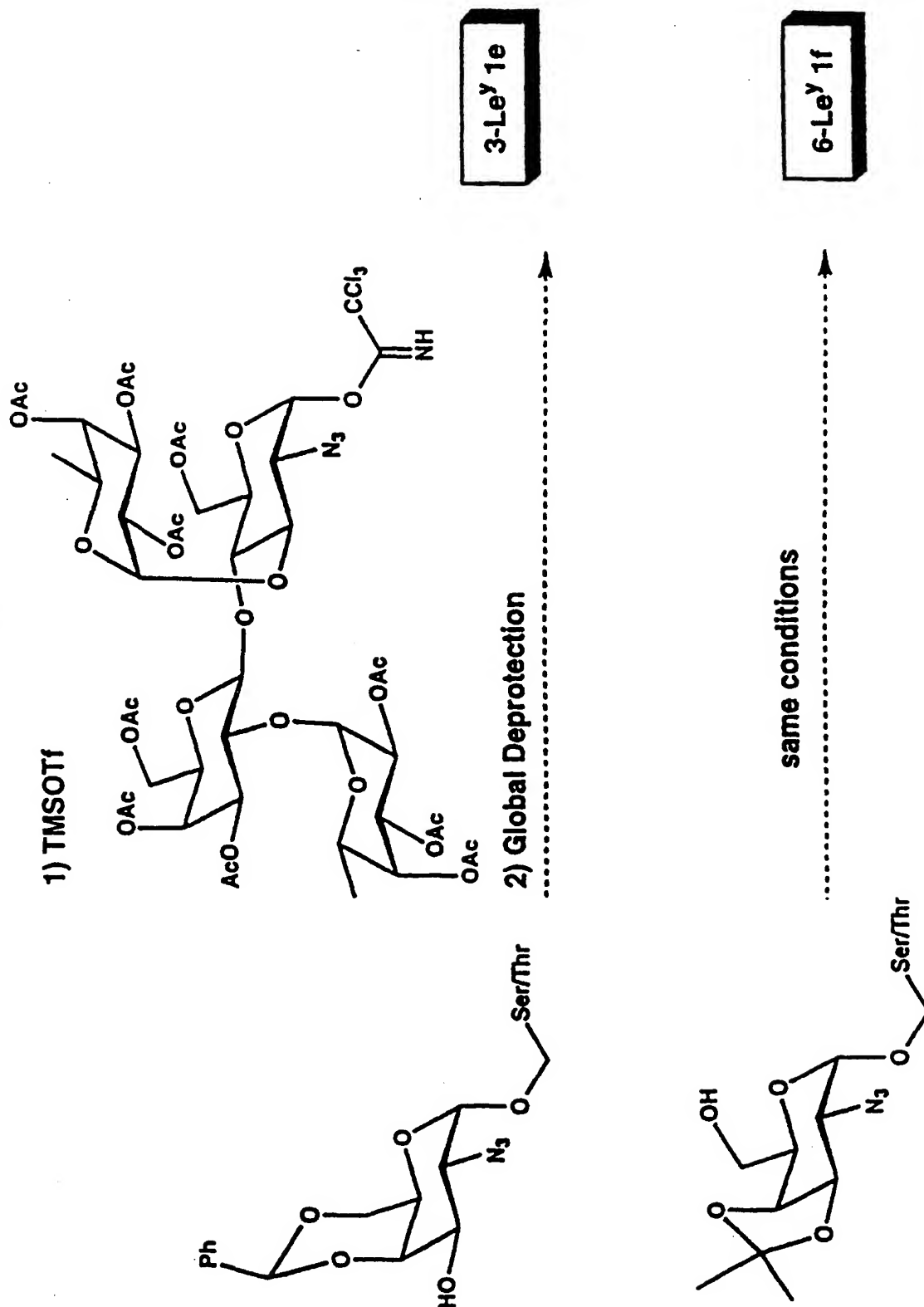


FIG. 14A

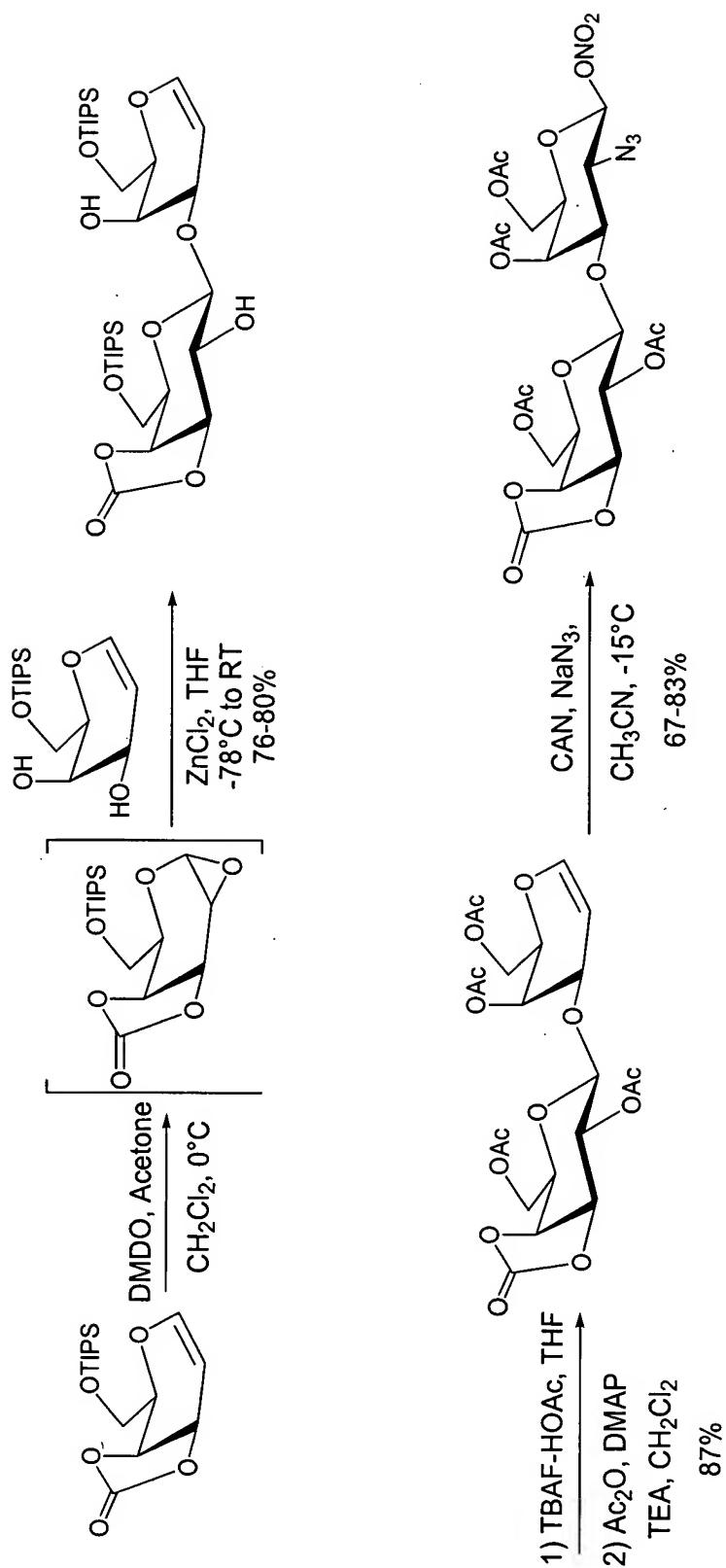


FIG. 14B

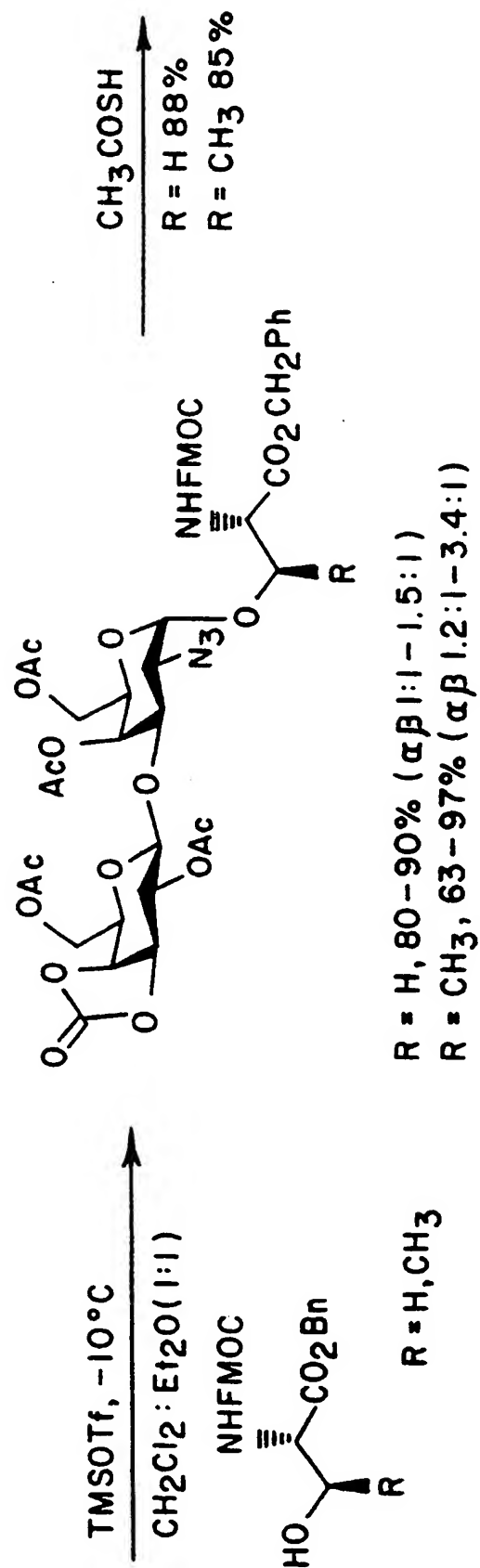
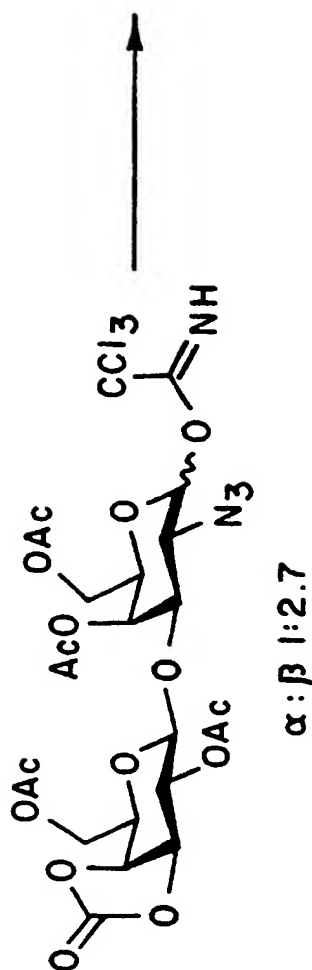
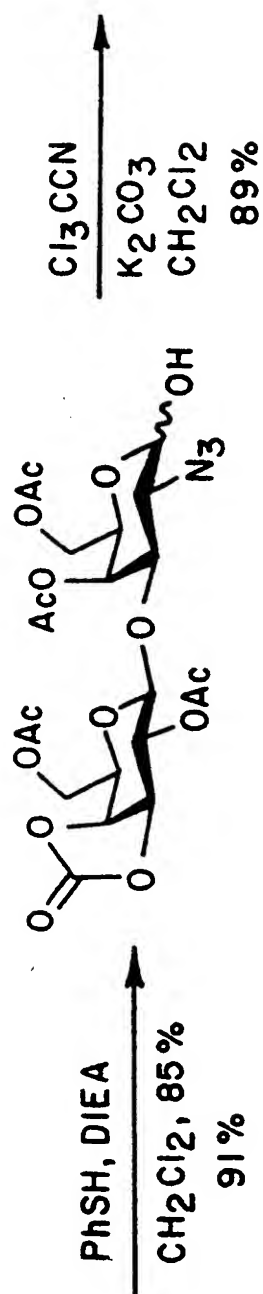




FIG. 14C

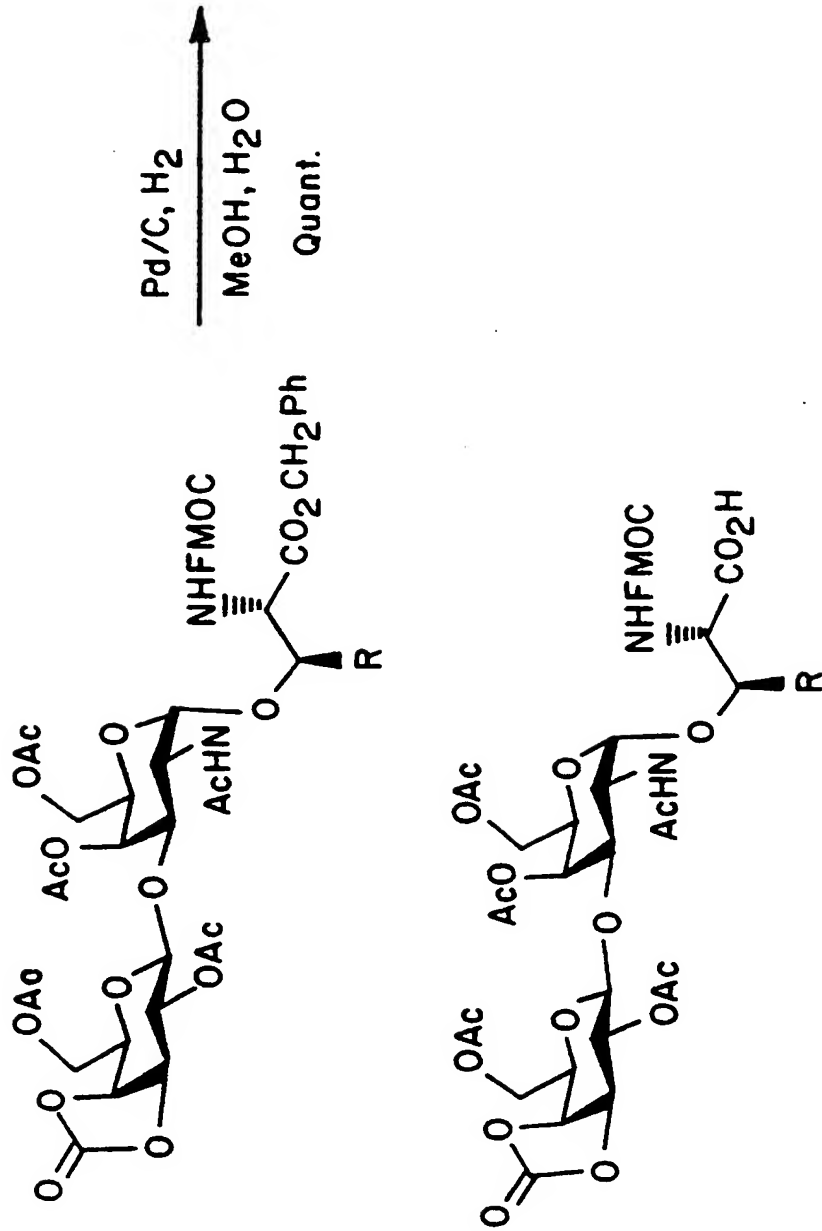
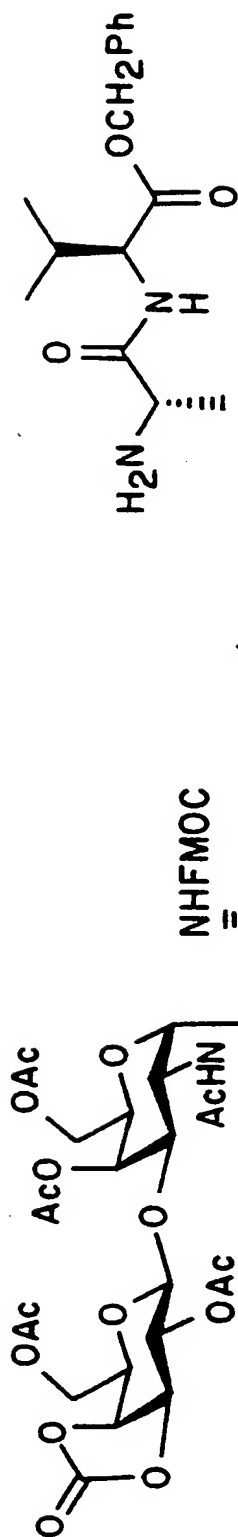


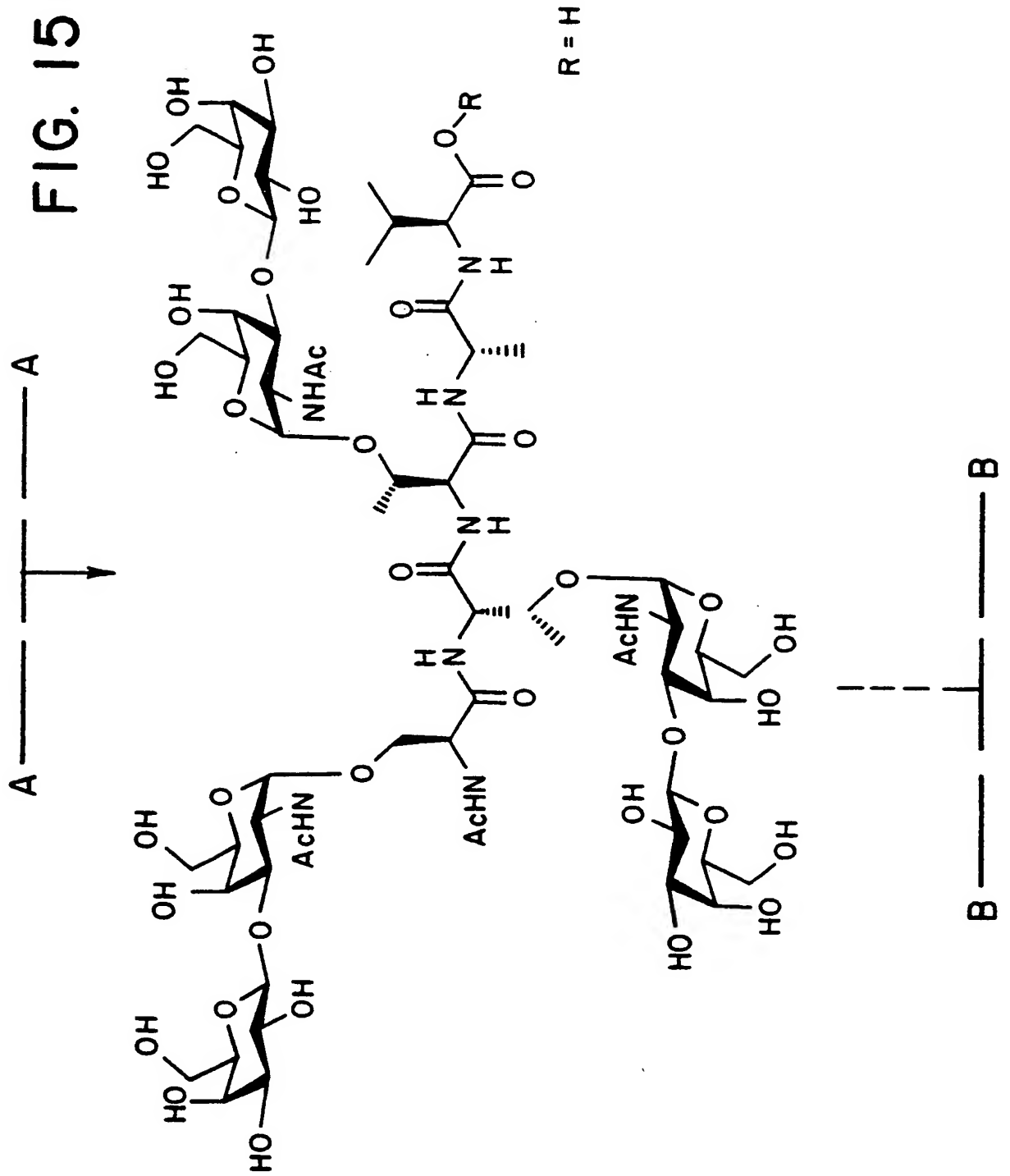
FIG. 15A



- 1) IIDQ, CH<sub>2</sub>Cl<sub>2</sub>, 70%
- 2) KF, I8C-G, DMF, 82%
- 3) II, IIDQ, CH<sub>2</sub>Cl<sub>2</sub>, 62%
- 4) KF, I8C-6, DMF, 61%
- 5) I, IIDQ, CH<sub>2</sub>Cl<sub>2</sub>, 81%
- 6) KF, I8C-6, DMF; Ac<sub>2</sub>O
- 7) Pd/C, H<sub>2</sub>, MeOH-H<sub>2</sub>O
- 8) NaOH, MeOH (70%)

A ————— A

FIG. 15B





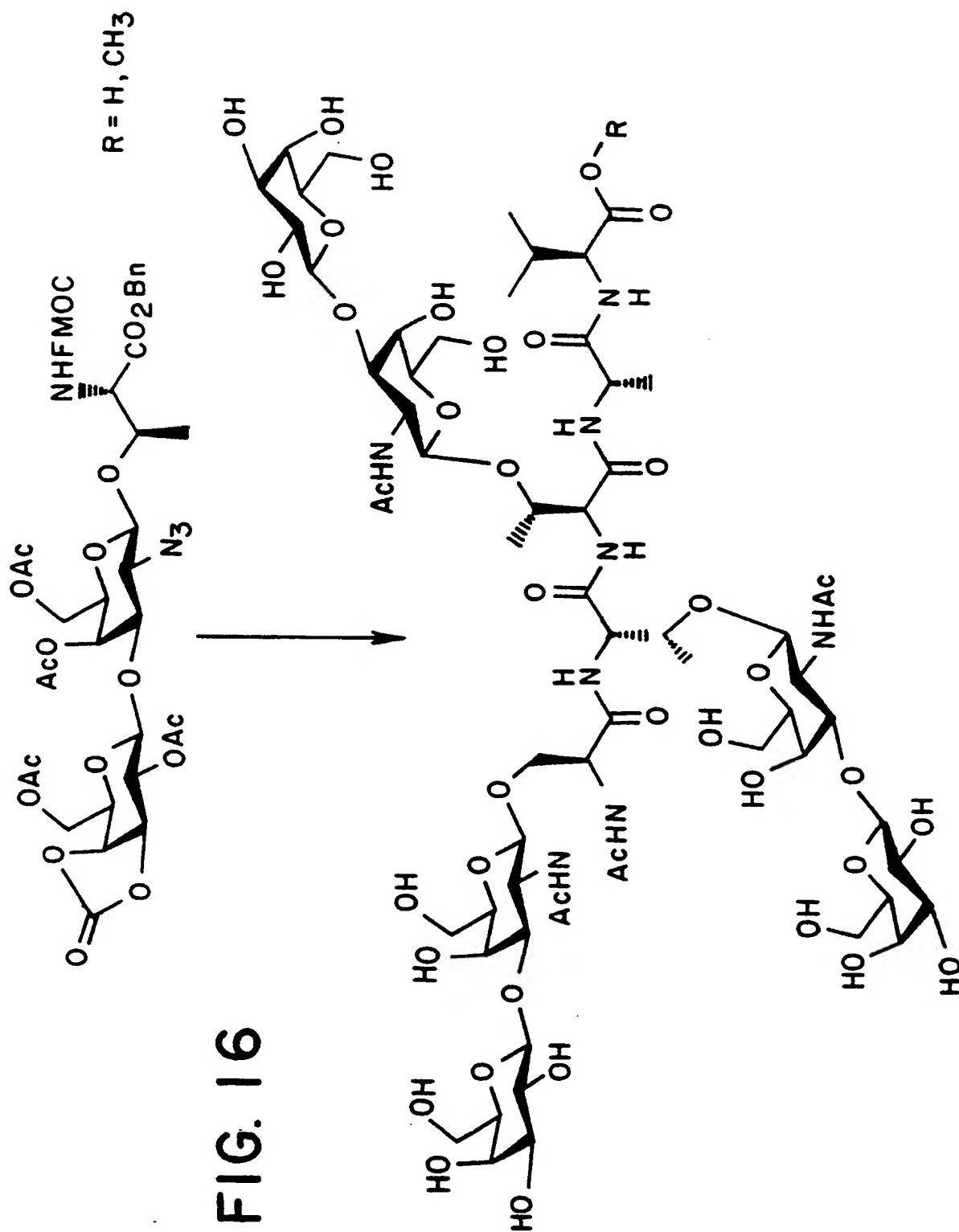


FIG. 17A

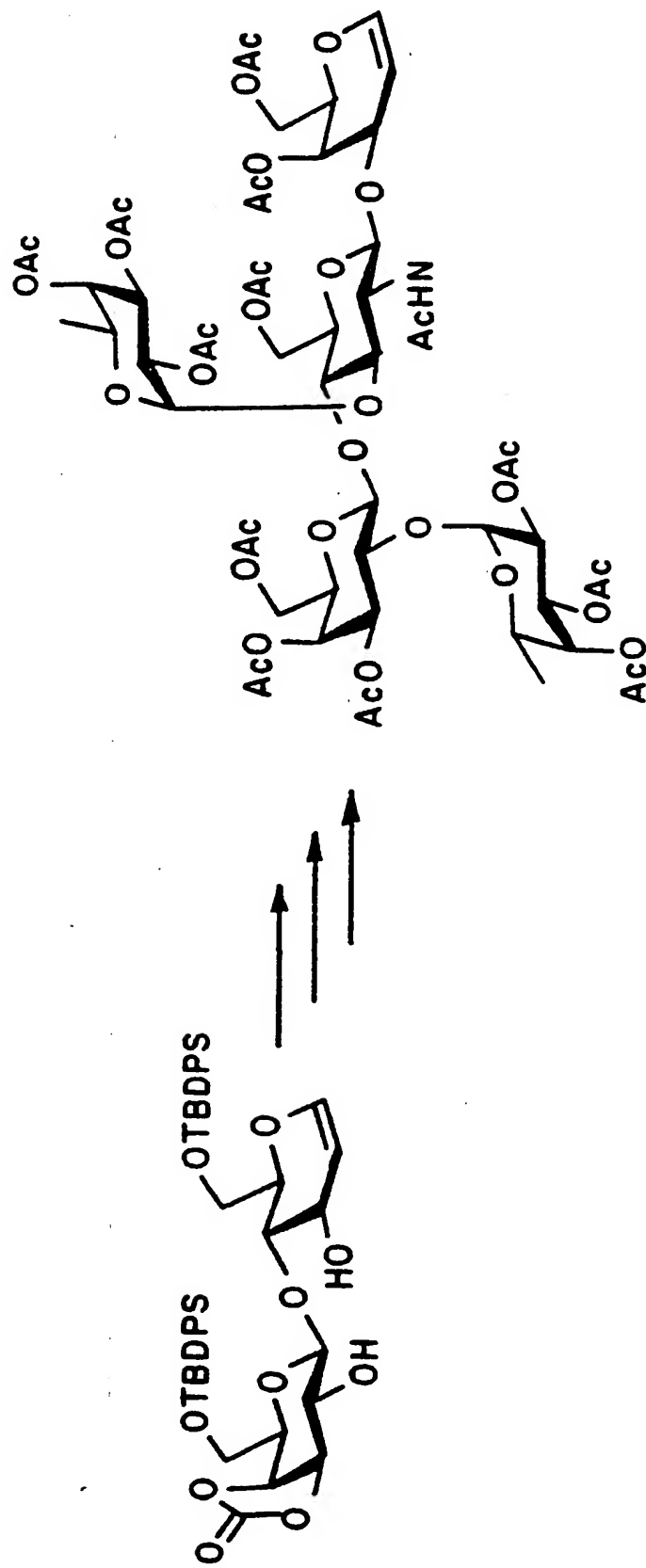
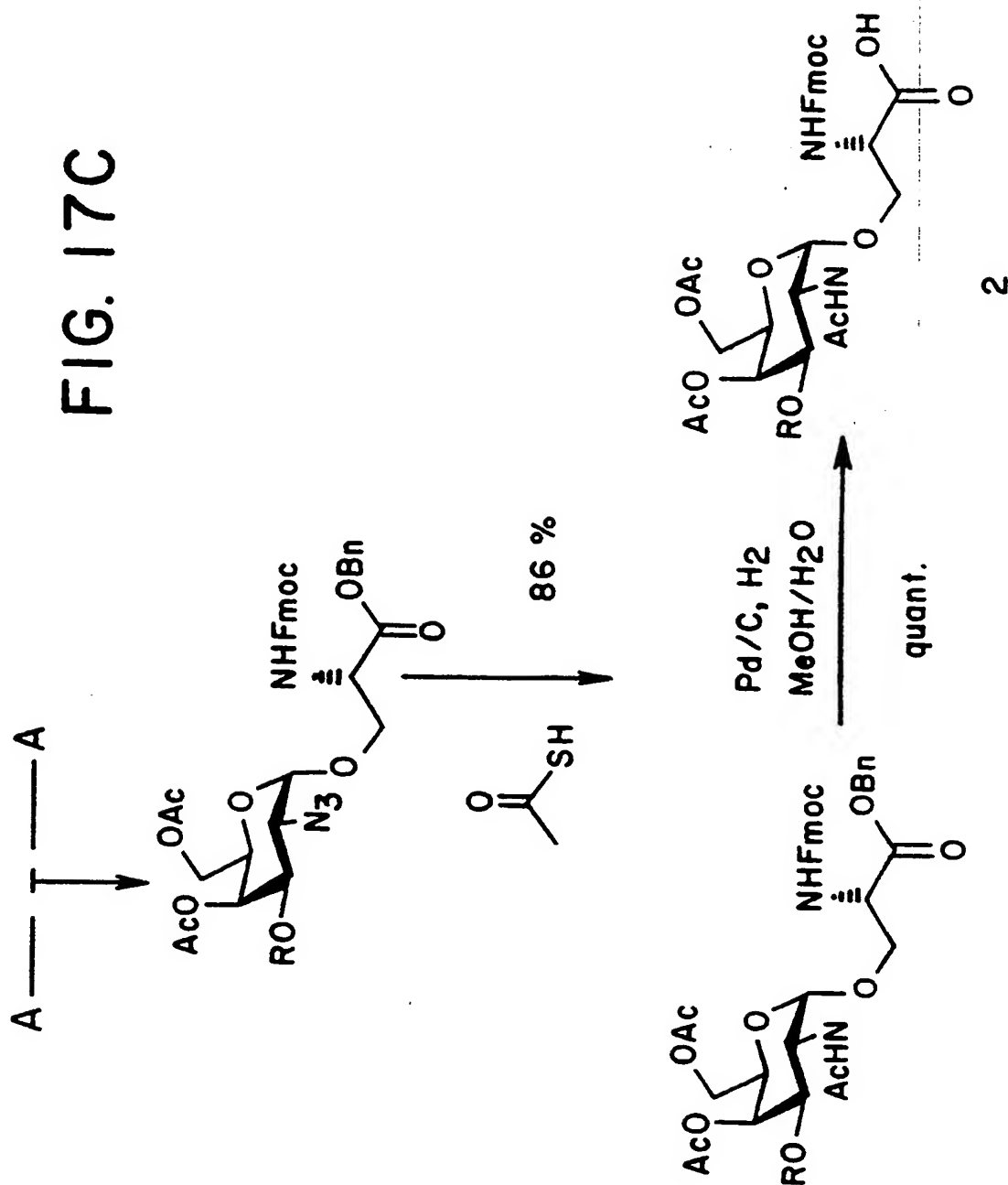




FIG. 17C





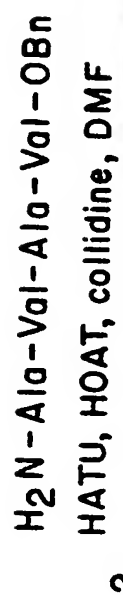
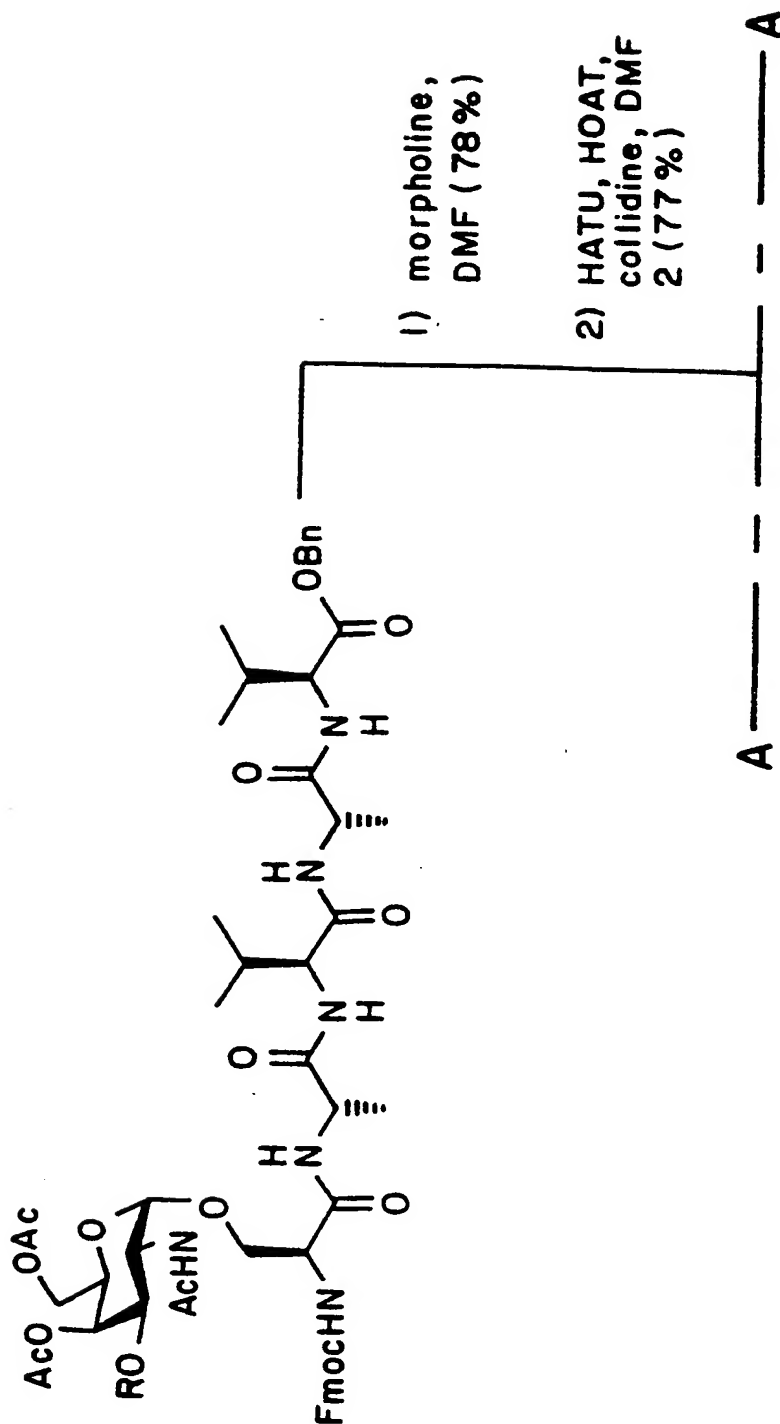


FIG. 18A



**FIG. 18**

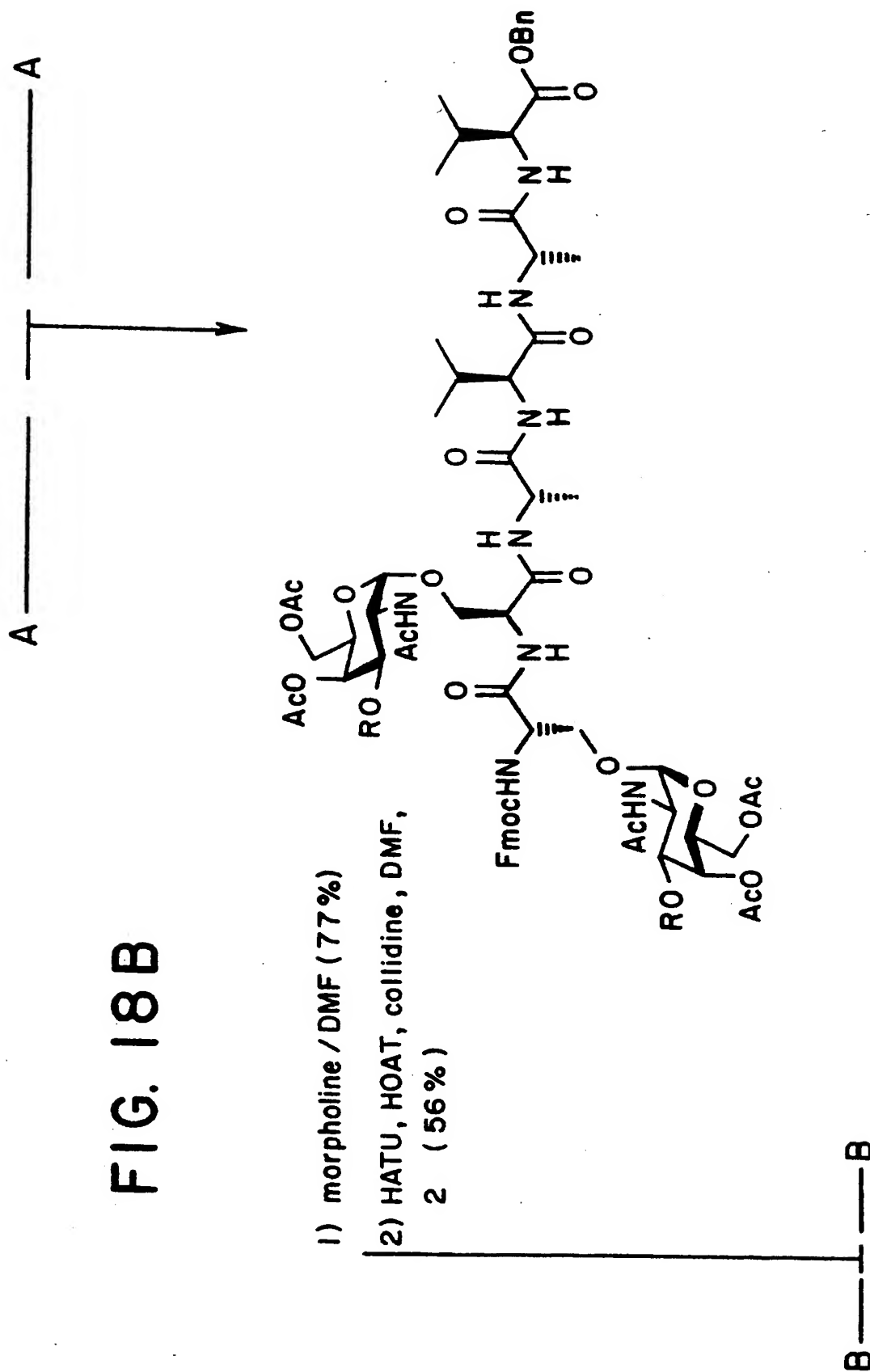
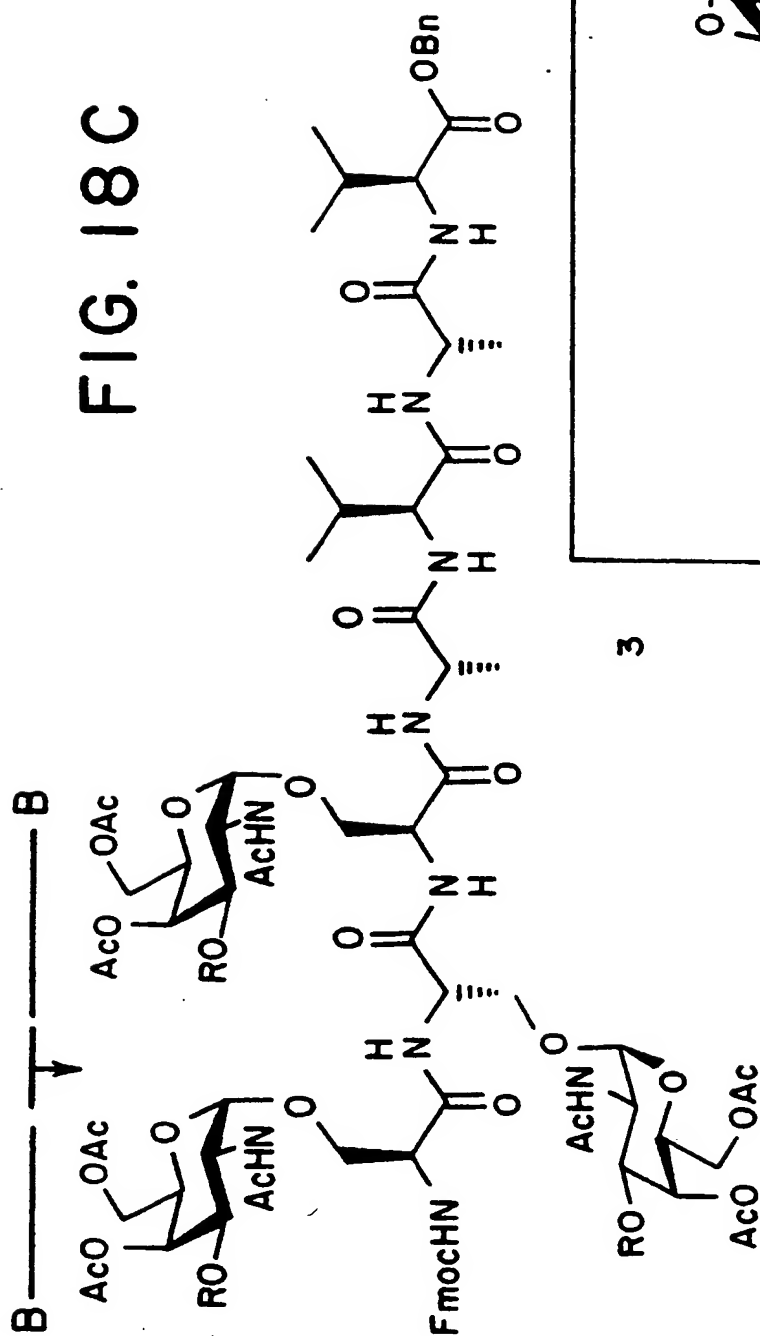


FIG. 18C



3

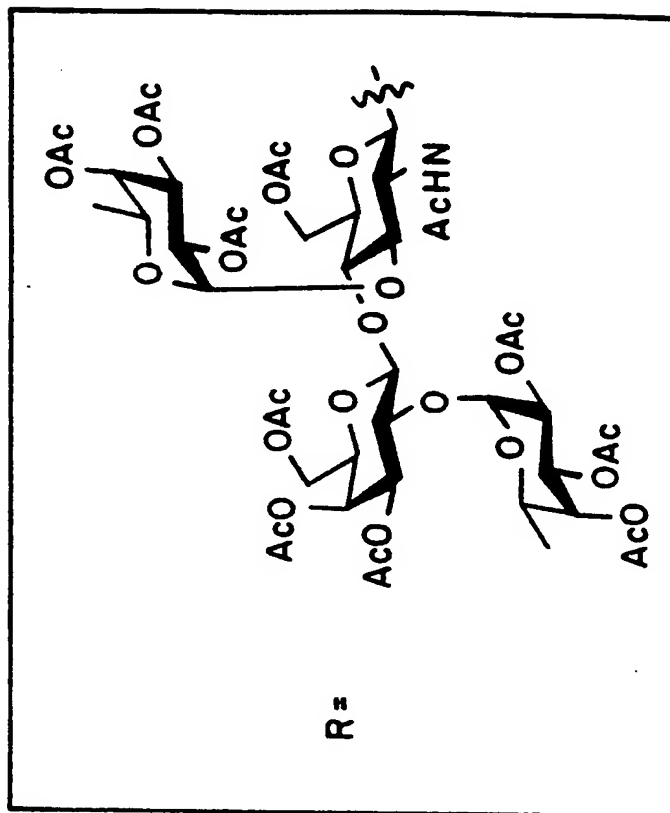


FIG. 19A

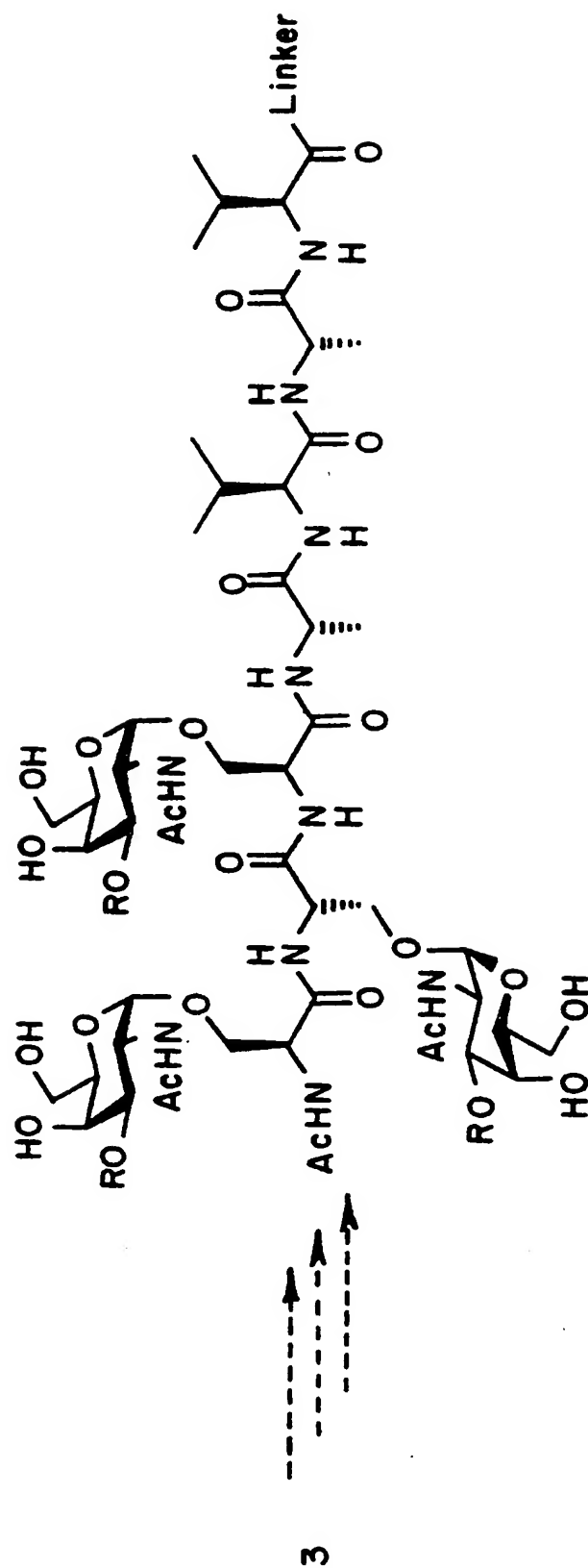


FIG. 19B

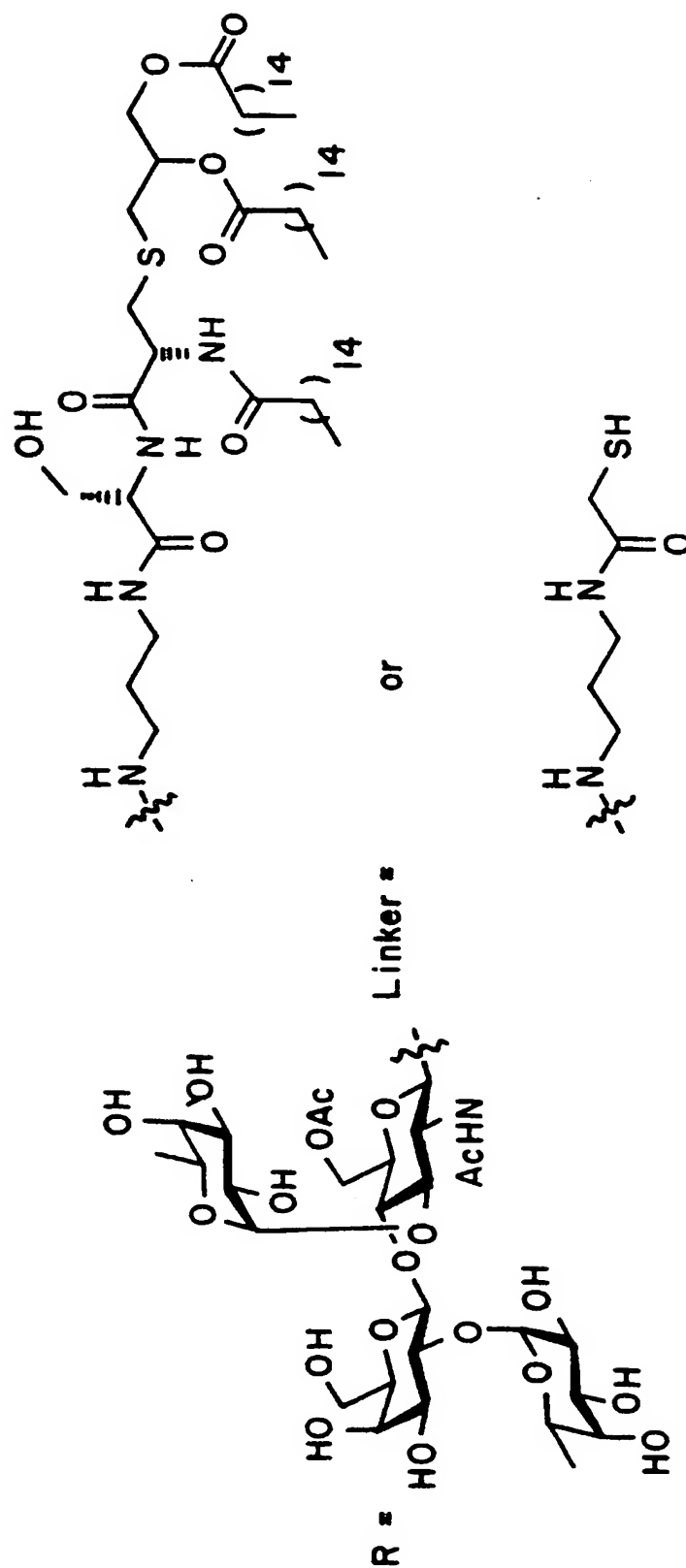


FIG. 20A

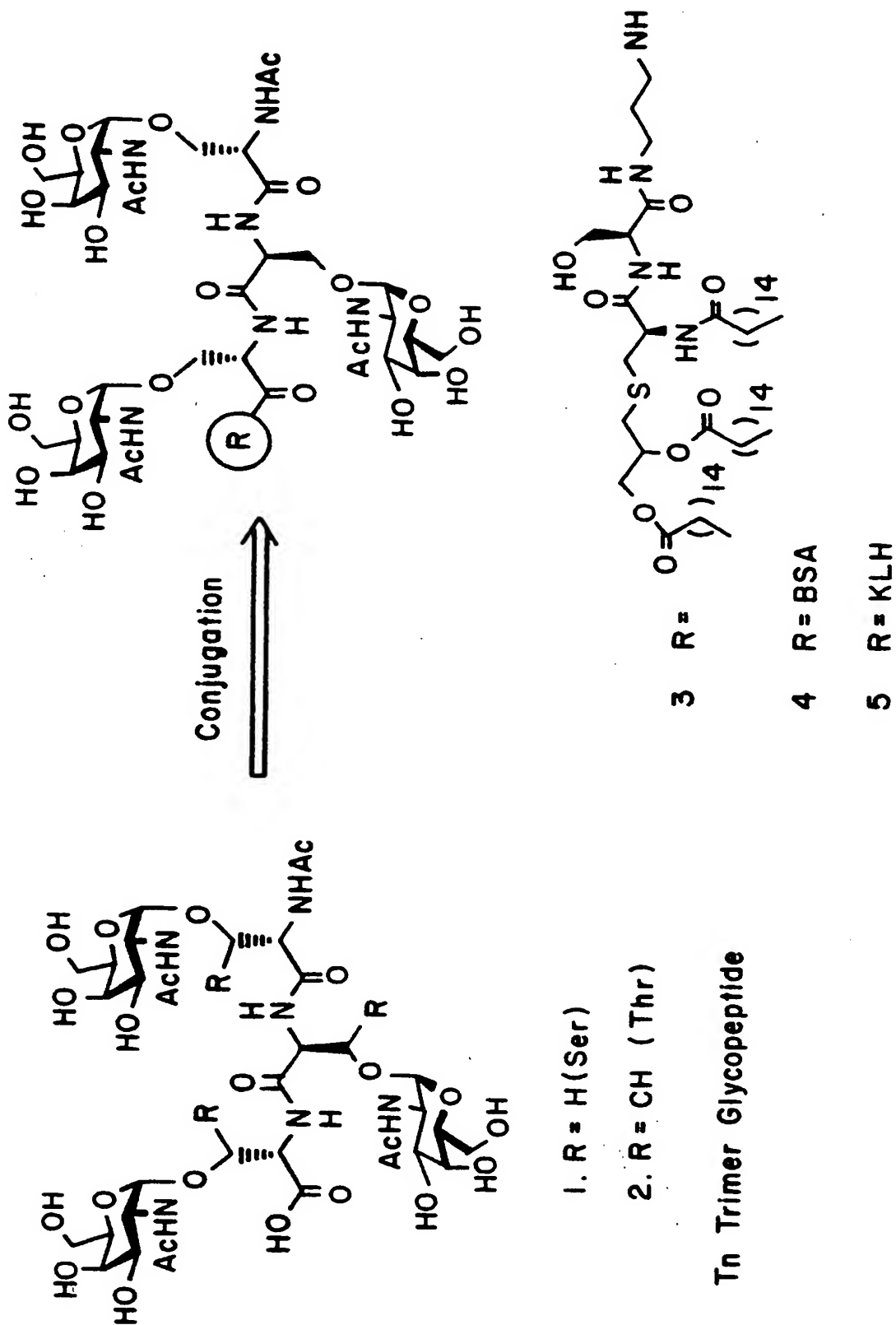


FIG. 20B

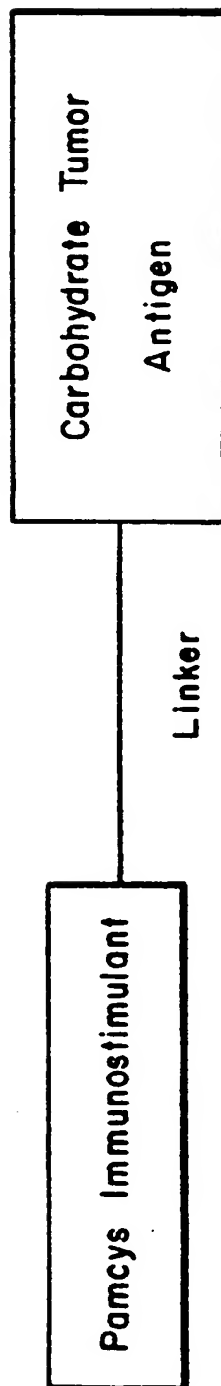
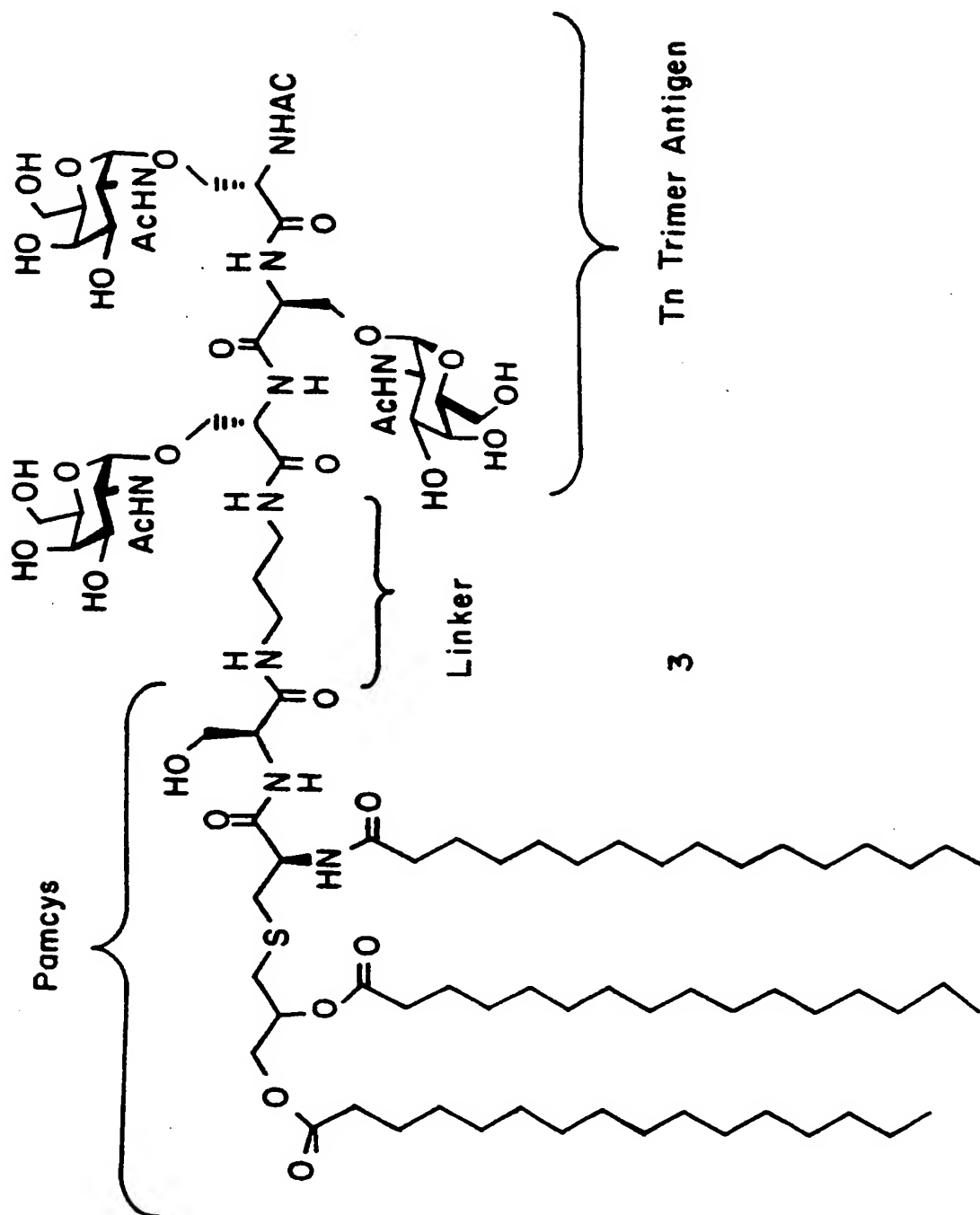


FIG. 20C





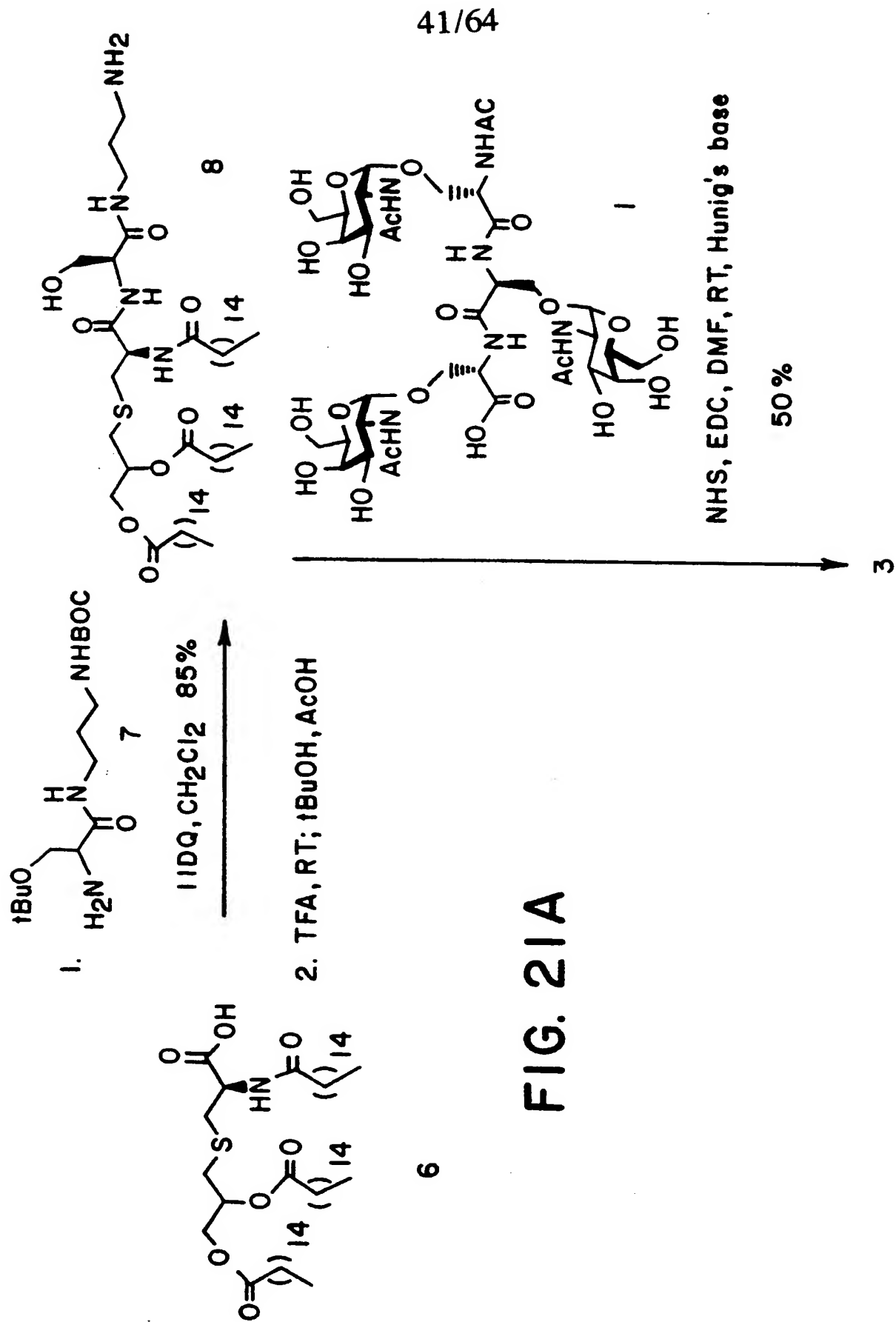


FIG. 21A

**FIG. 21B**

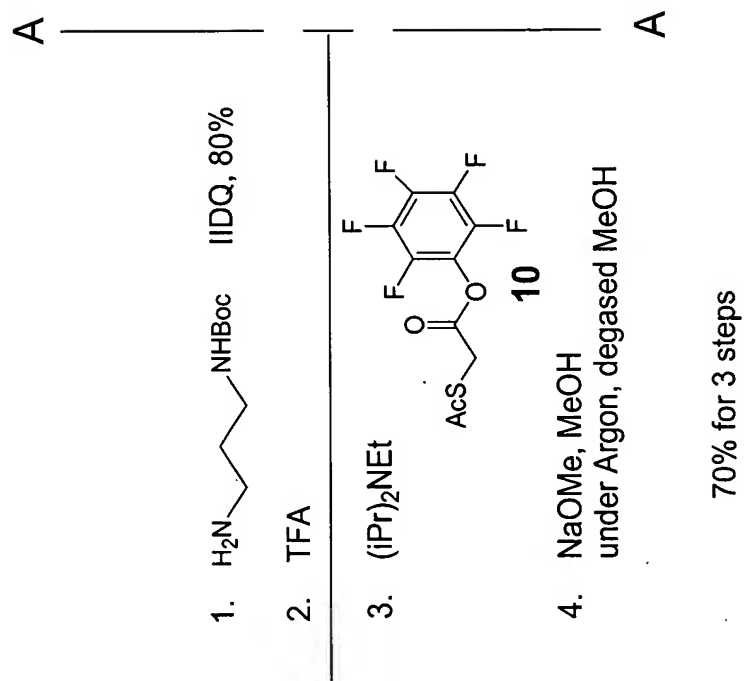
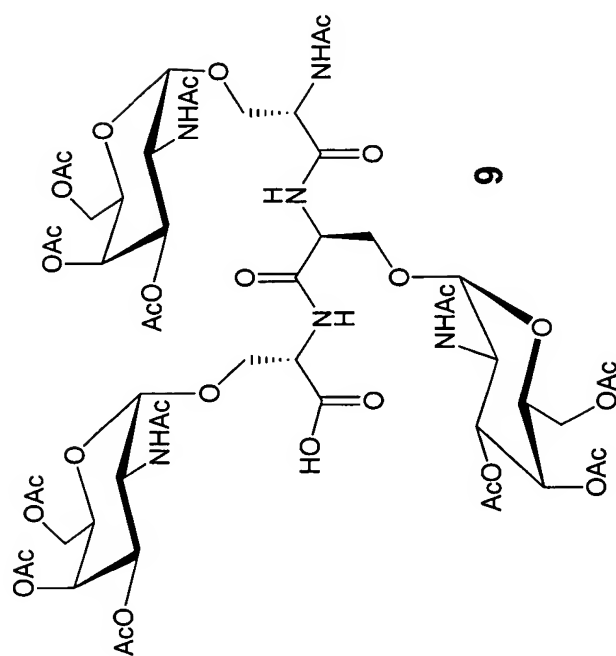


FIG. 21C

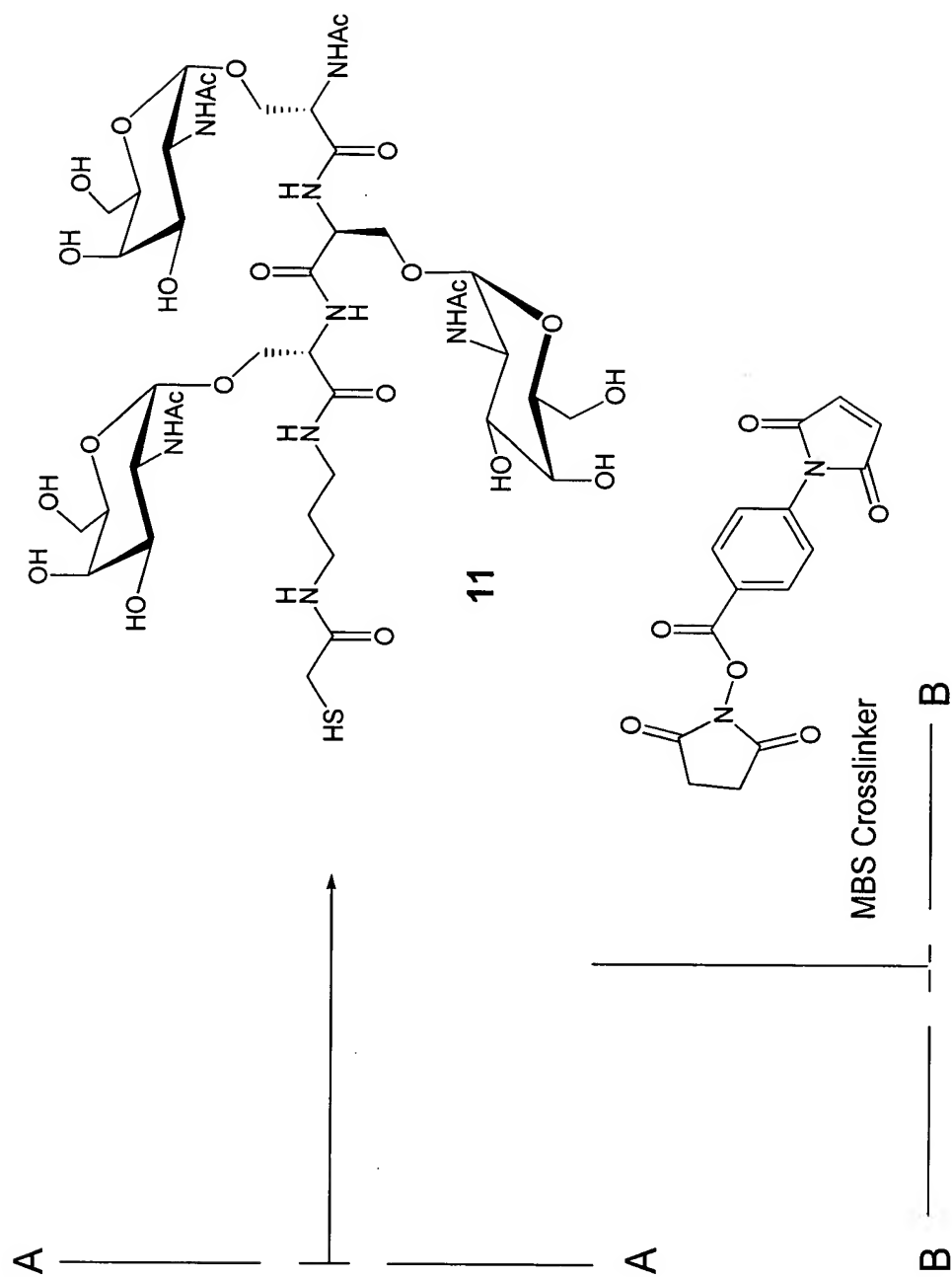
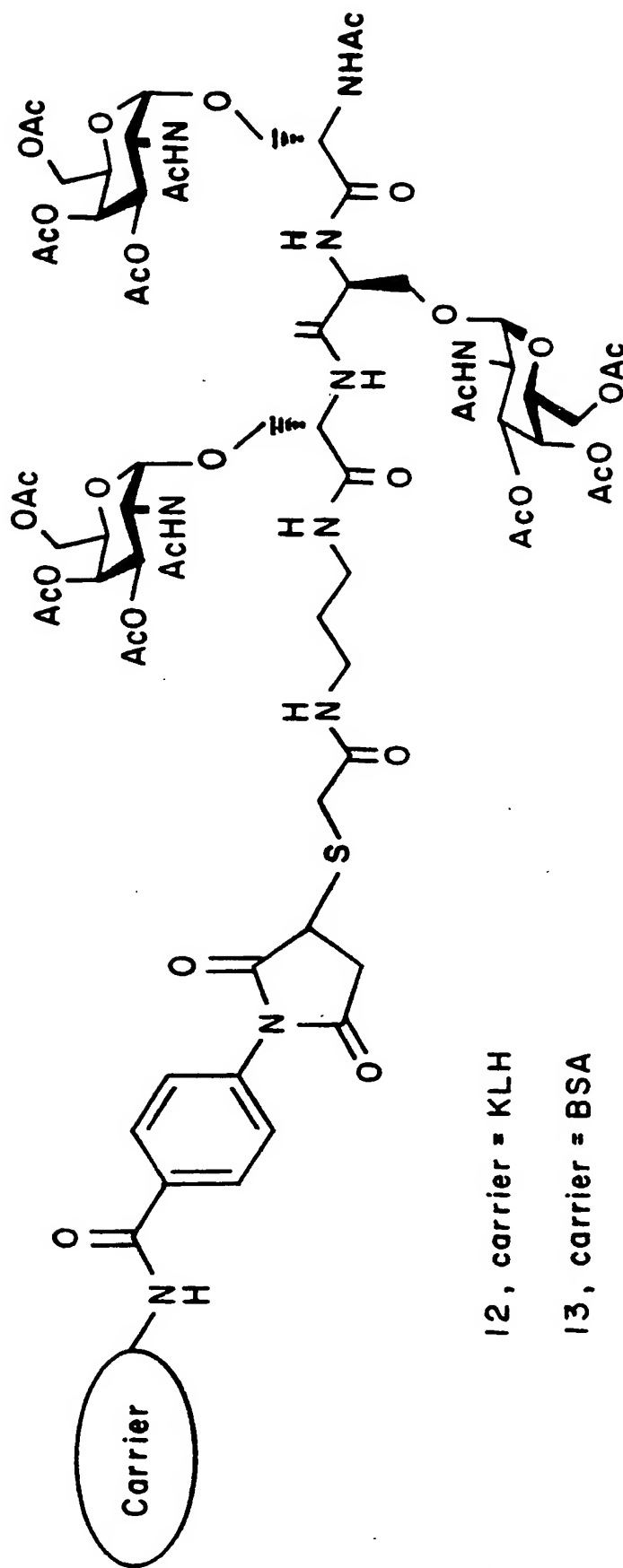
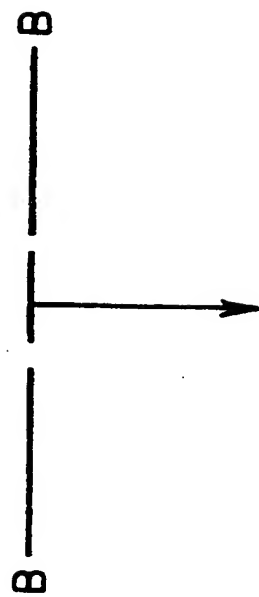


FIG. 21D



12, carrier = KLH

13, carrier = BSA

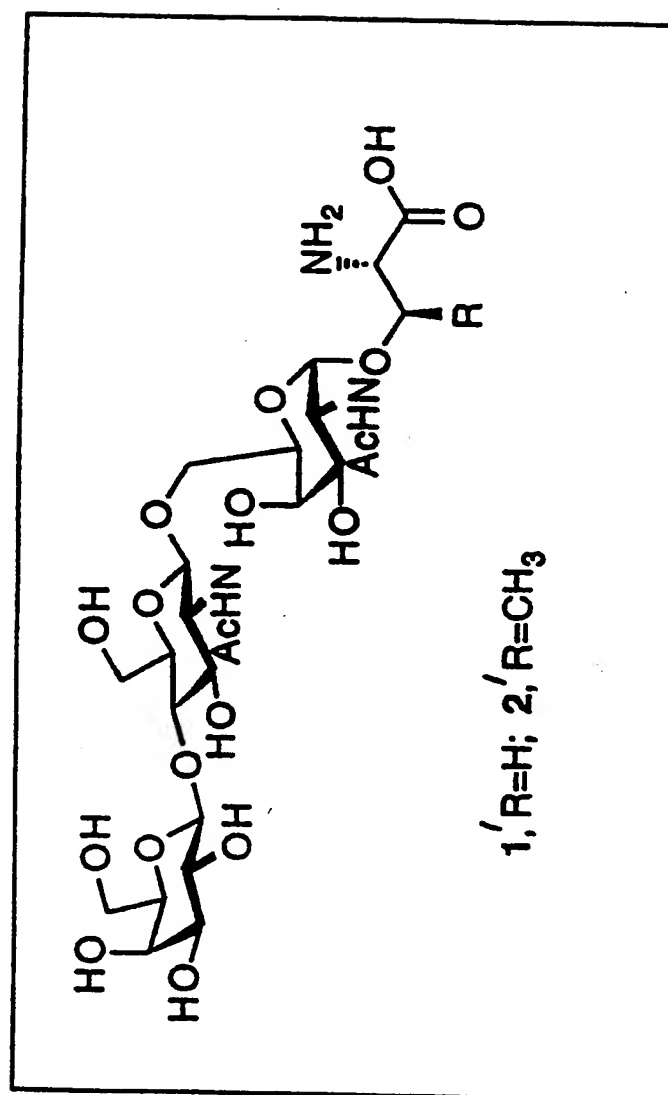
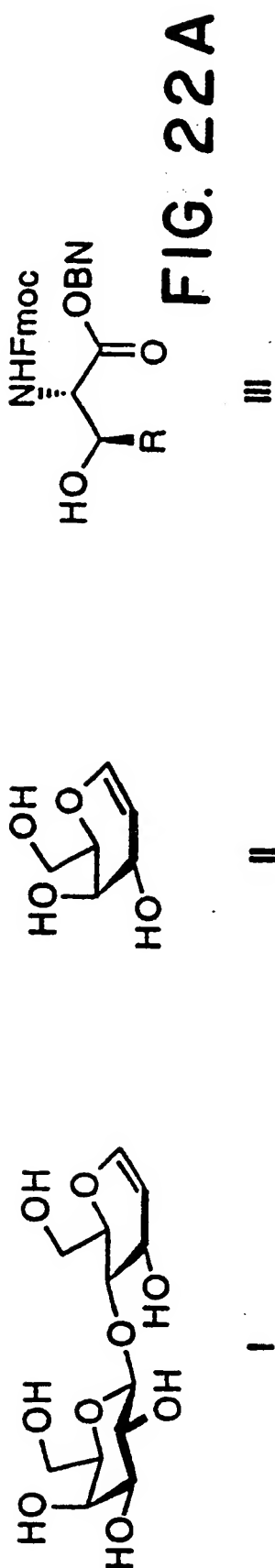
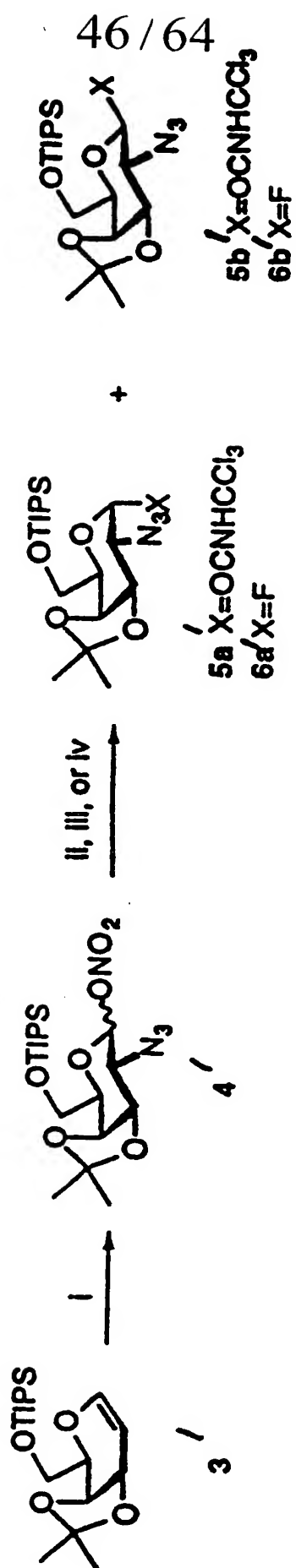


FIG. 22B



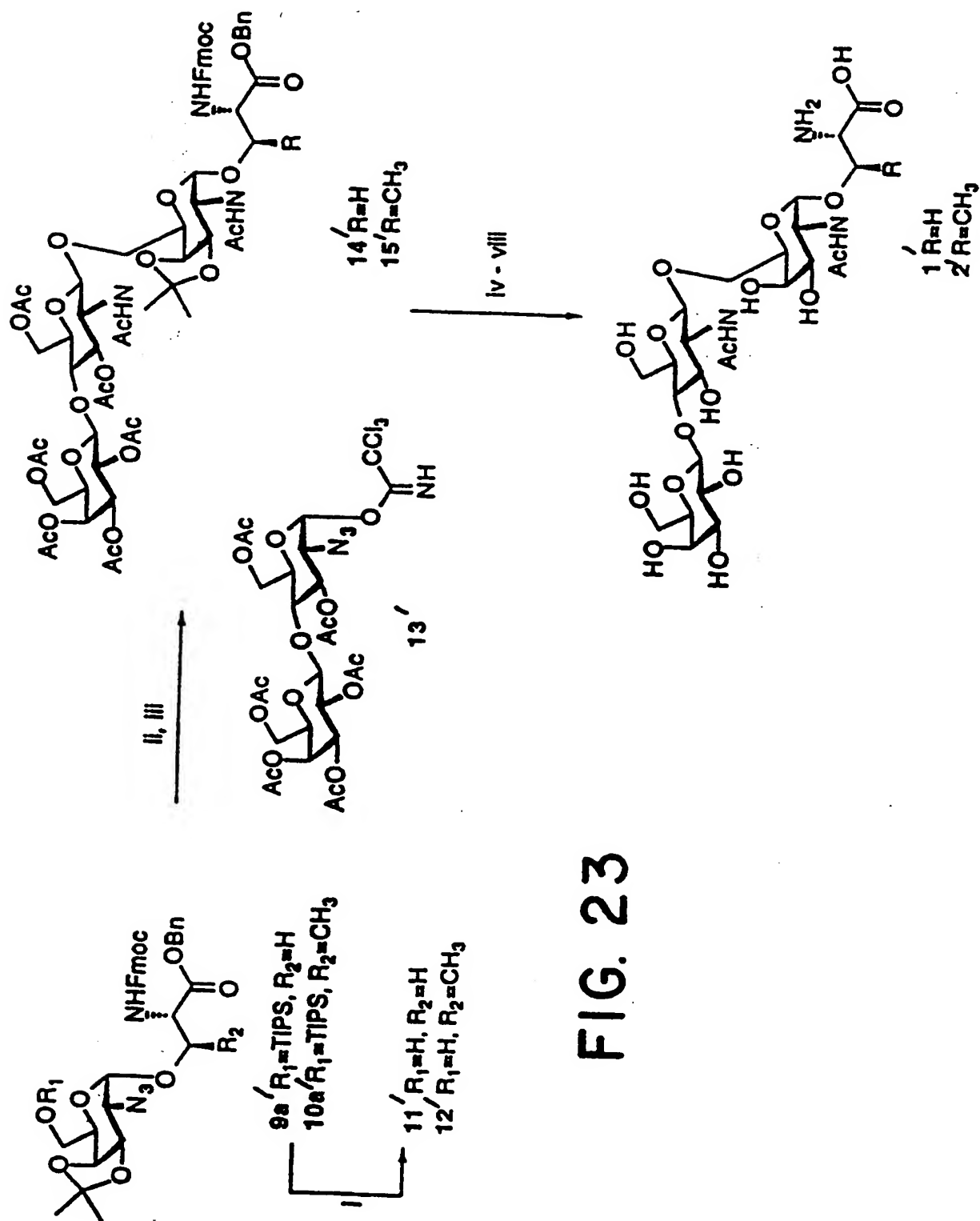


FIG. 23

FIG. 24

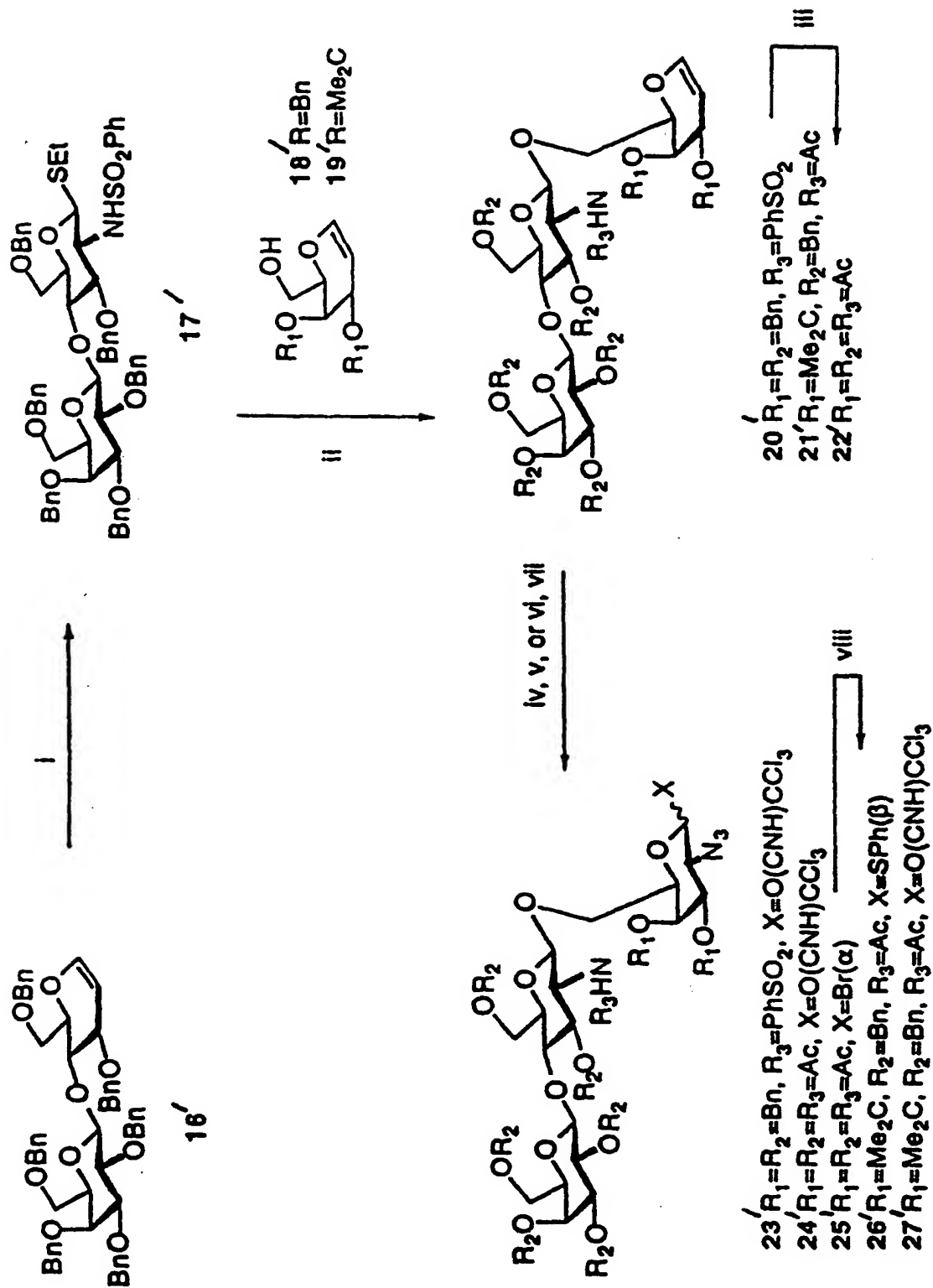
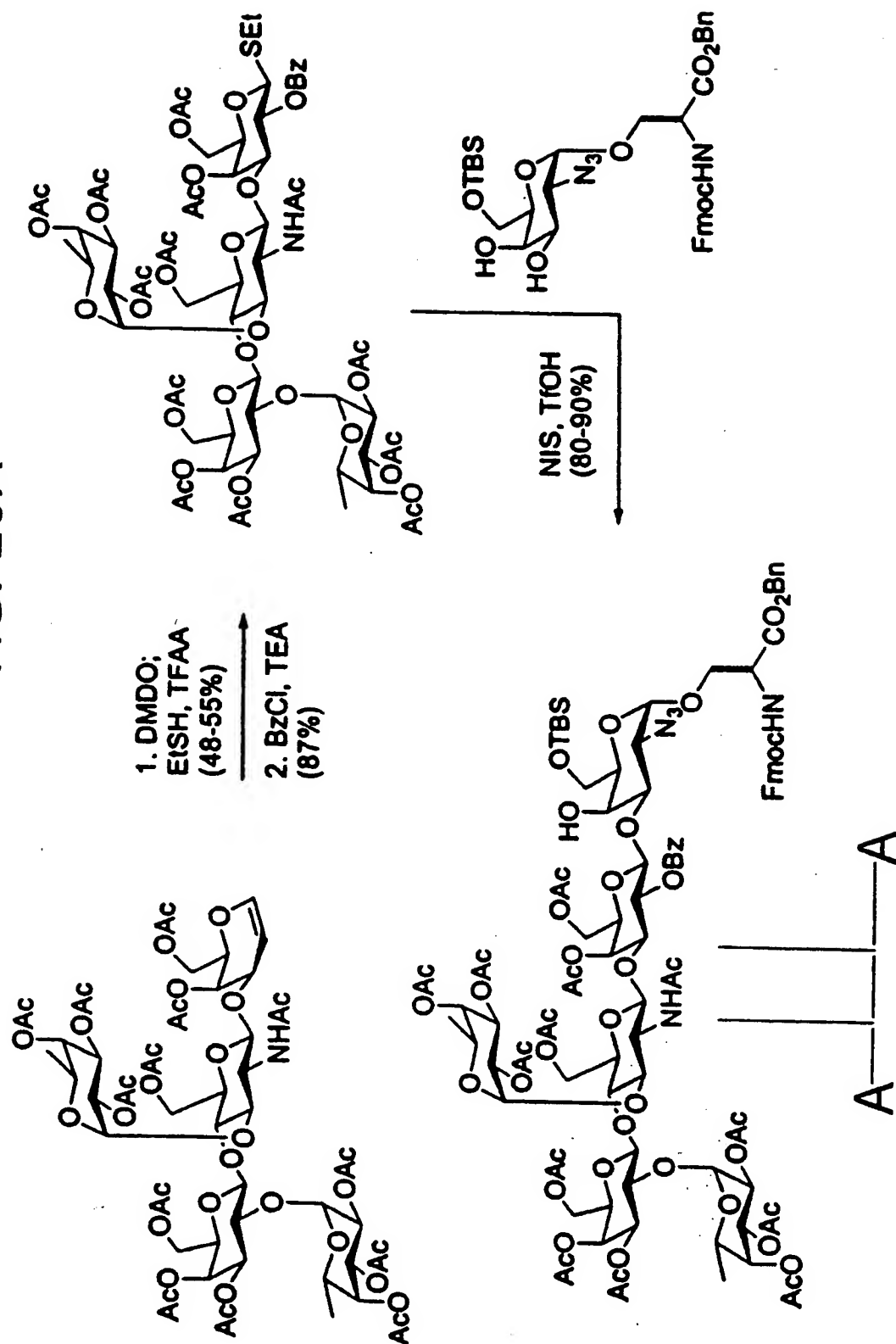
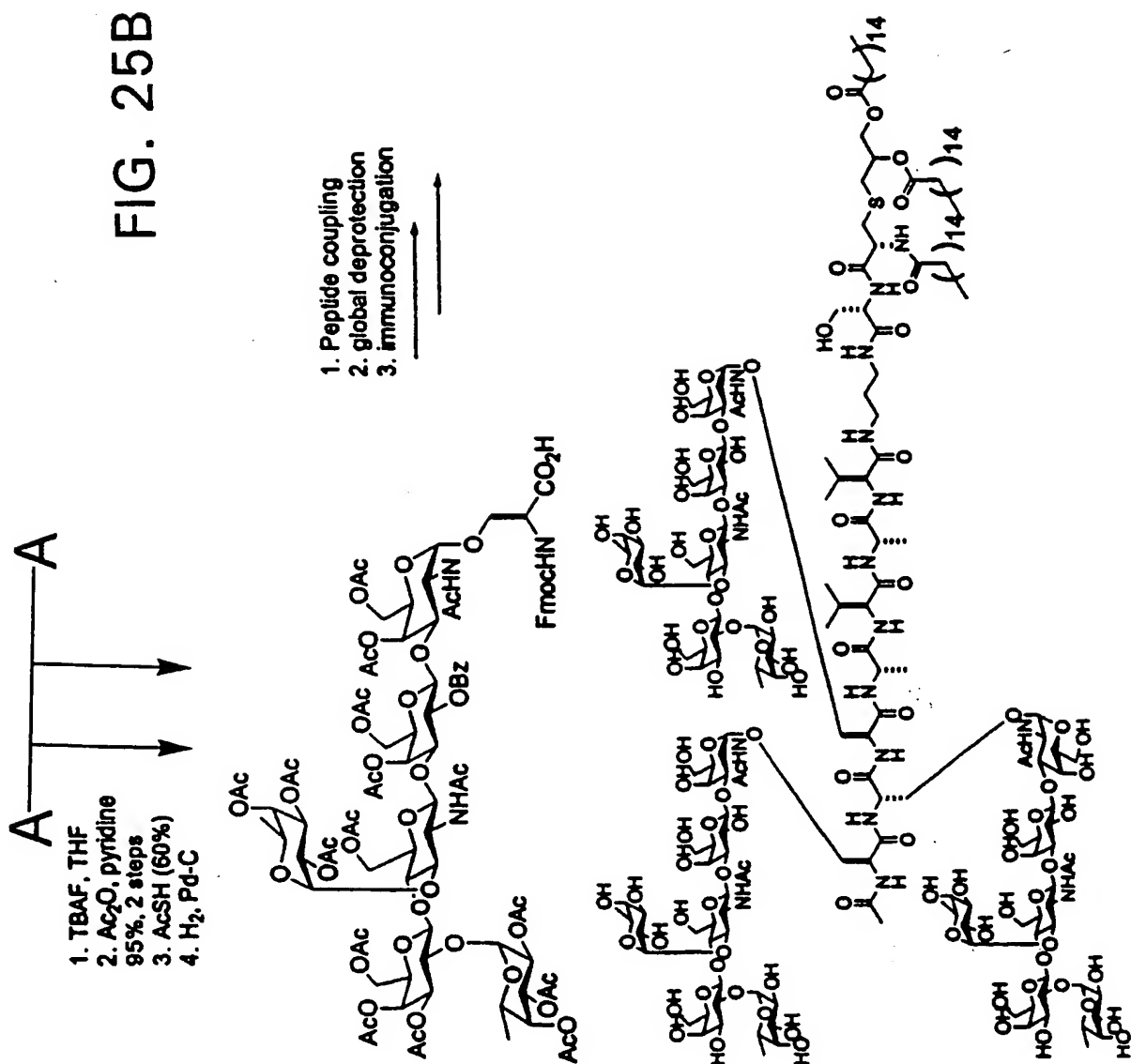




FIG. 25A







**FIG. 27**

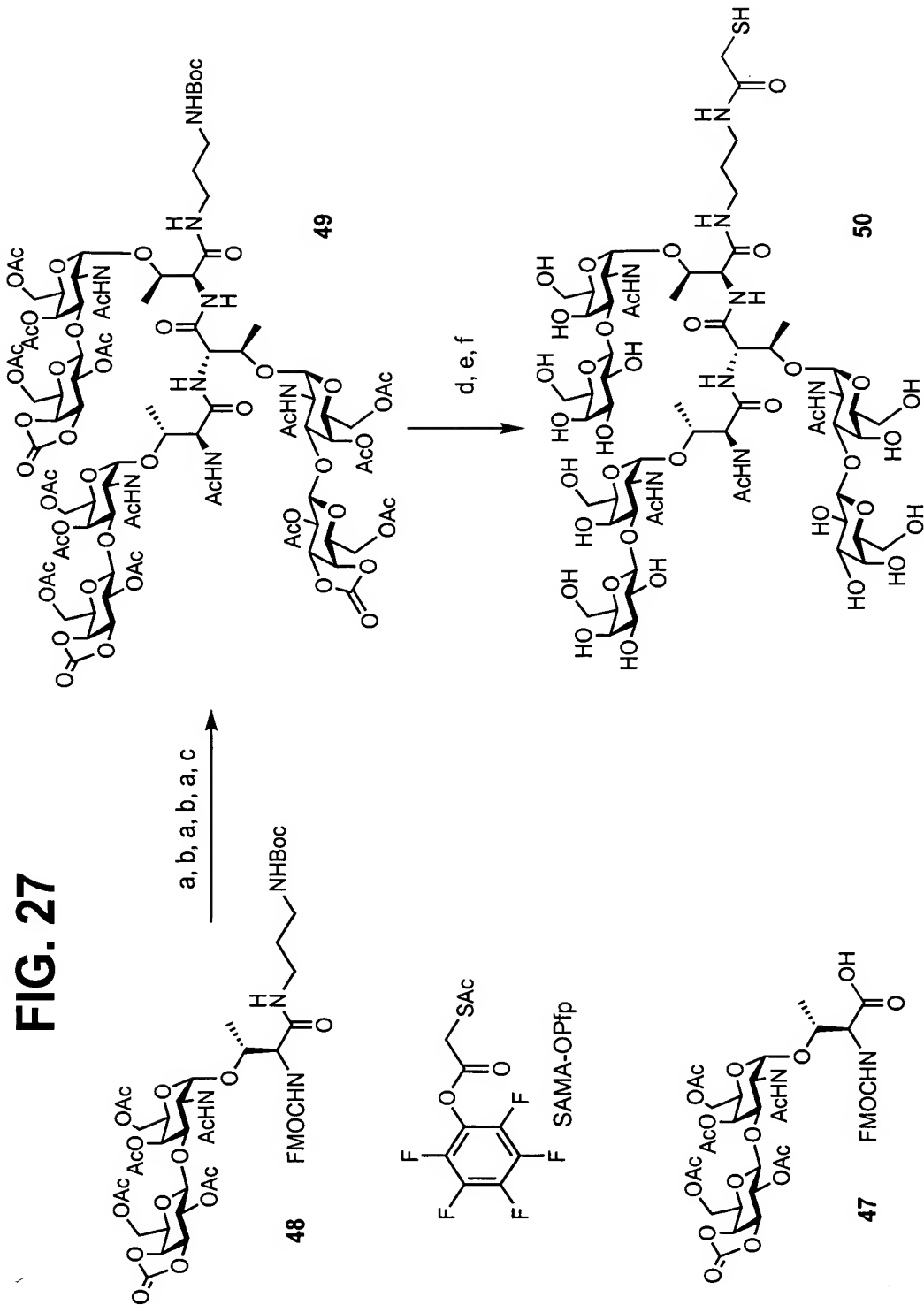
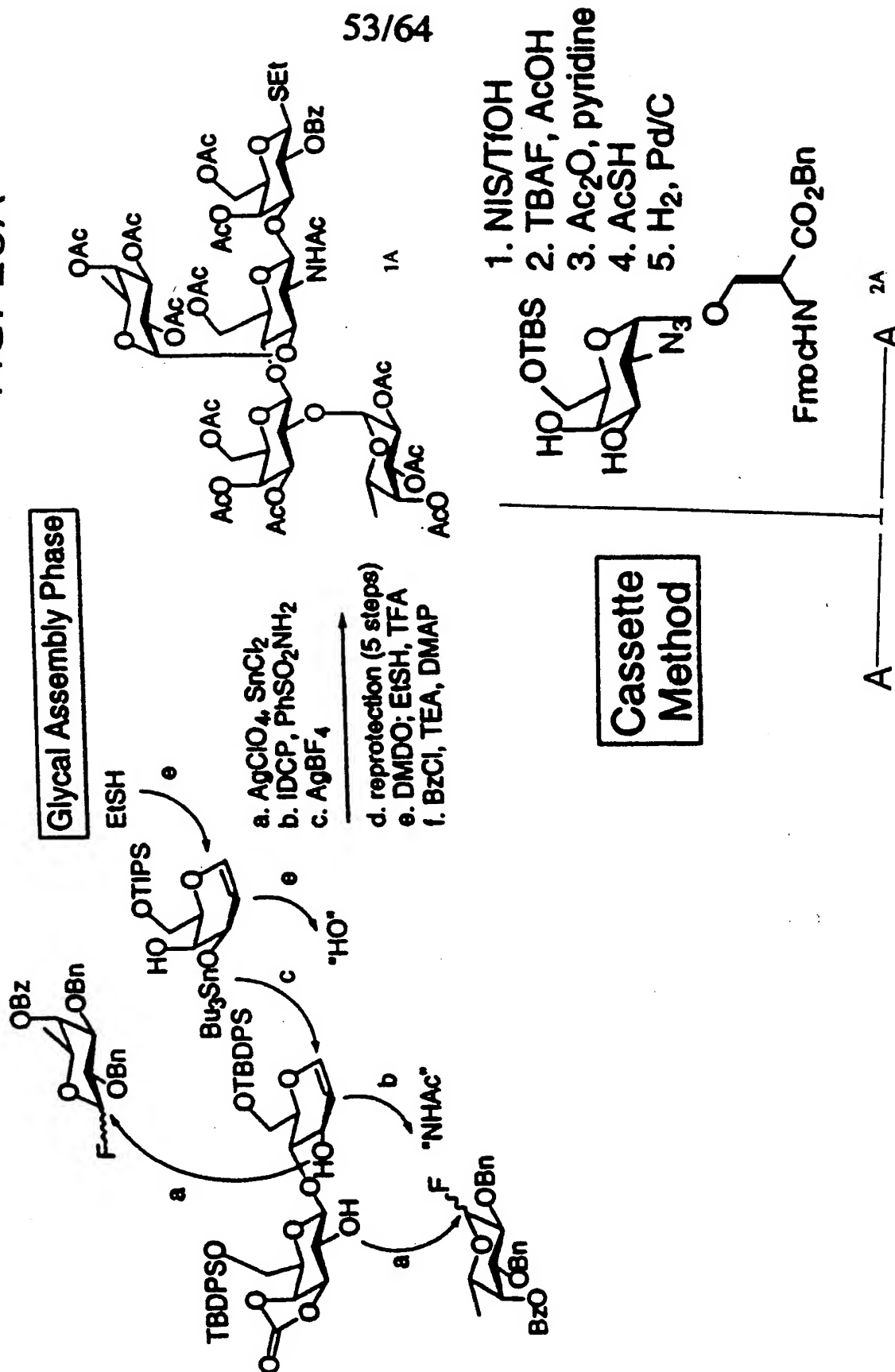


FIG. 28A



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FIG. 28B

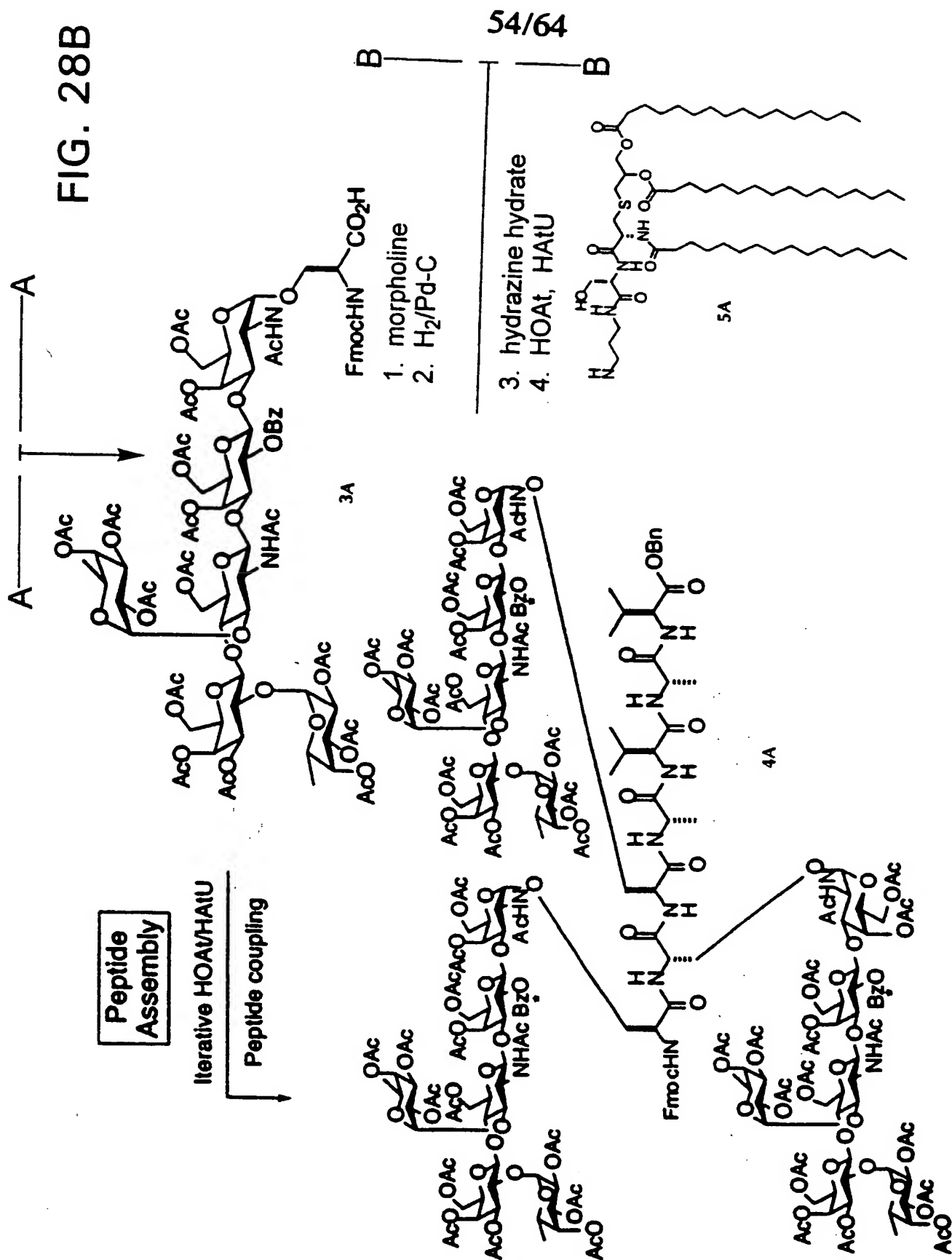


FIG. 28C

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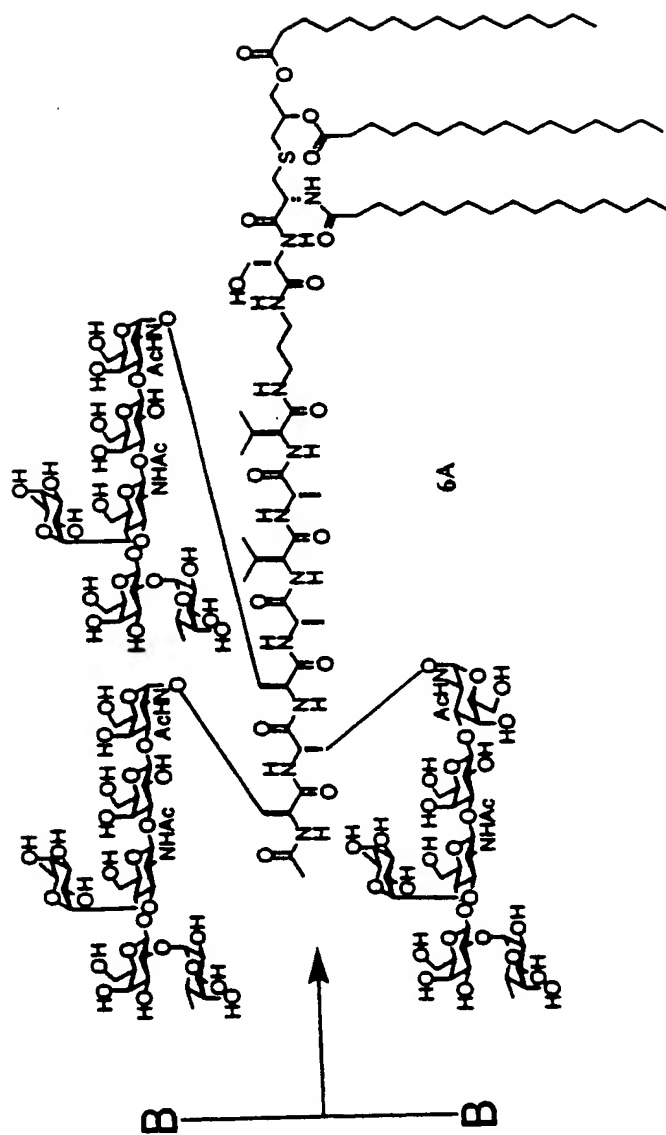


FIG. 29A

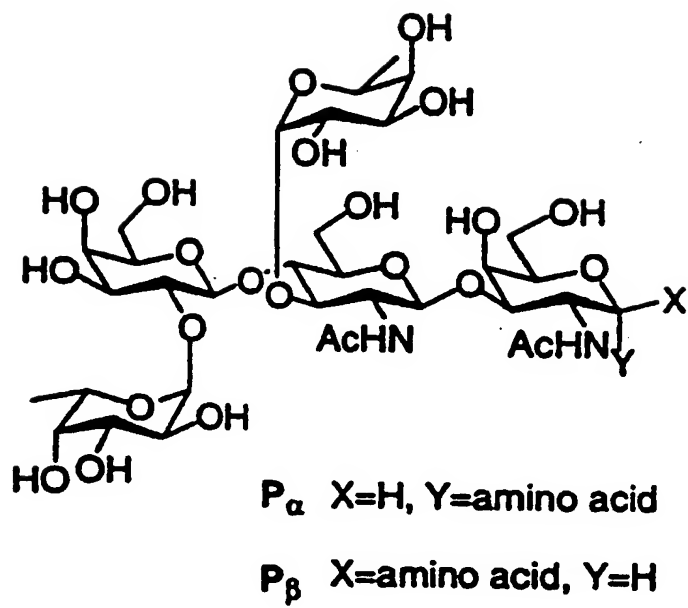




FIG. 29B

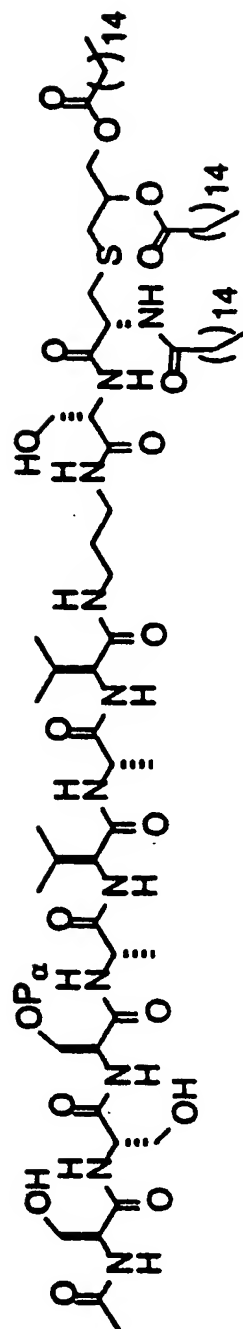
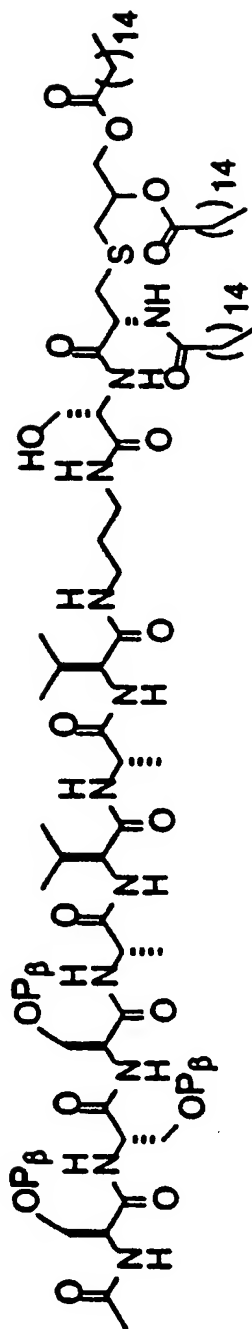
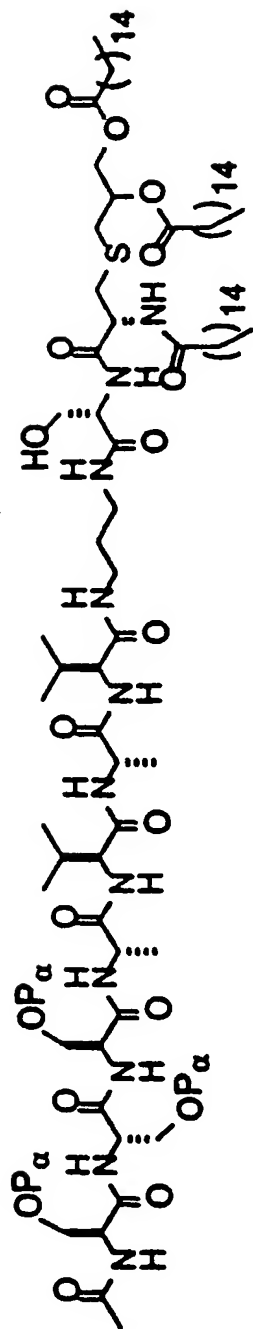
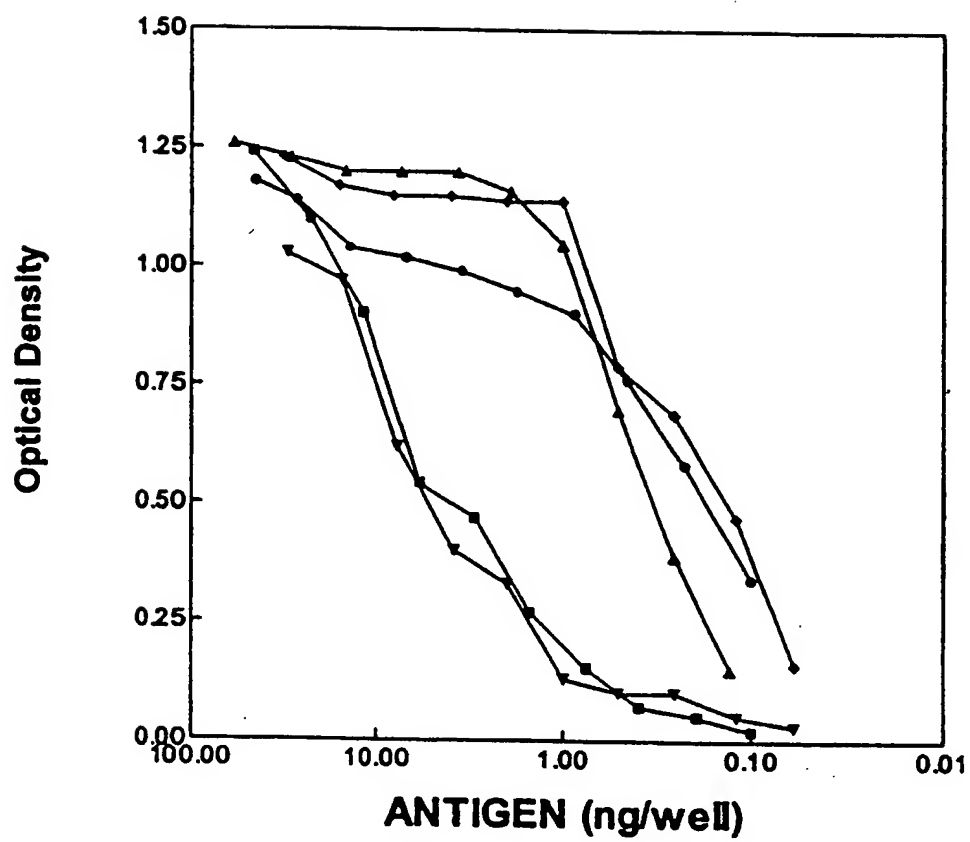
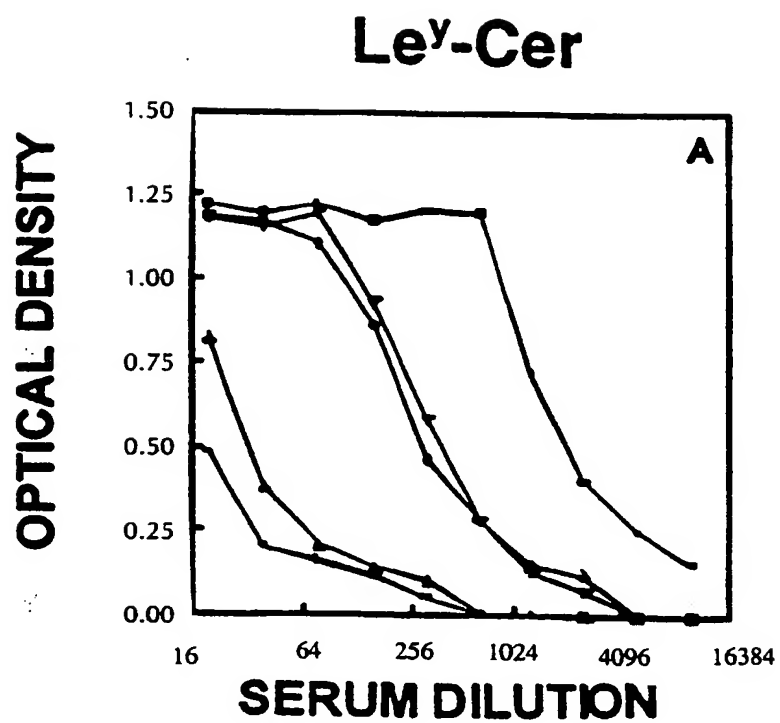


FIG. 30



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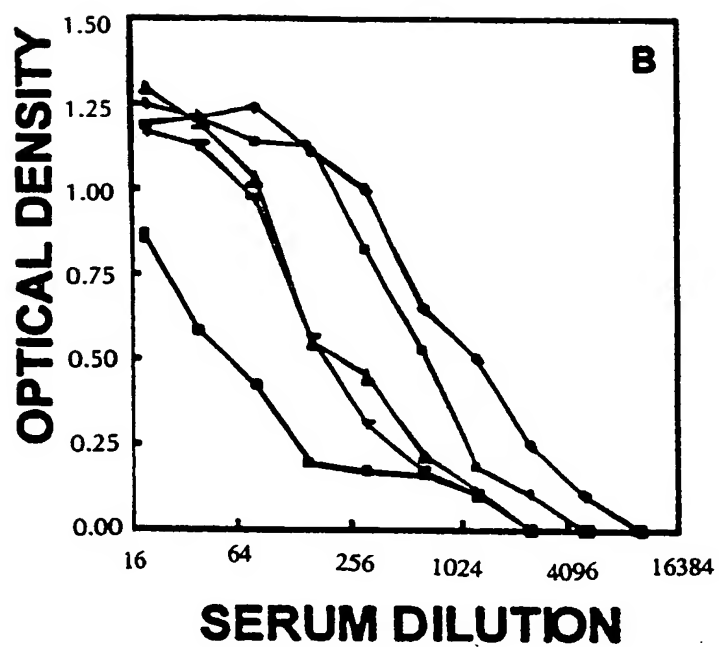
FIG. 31A



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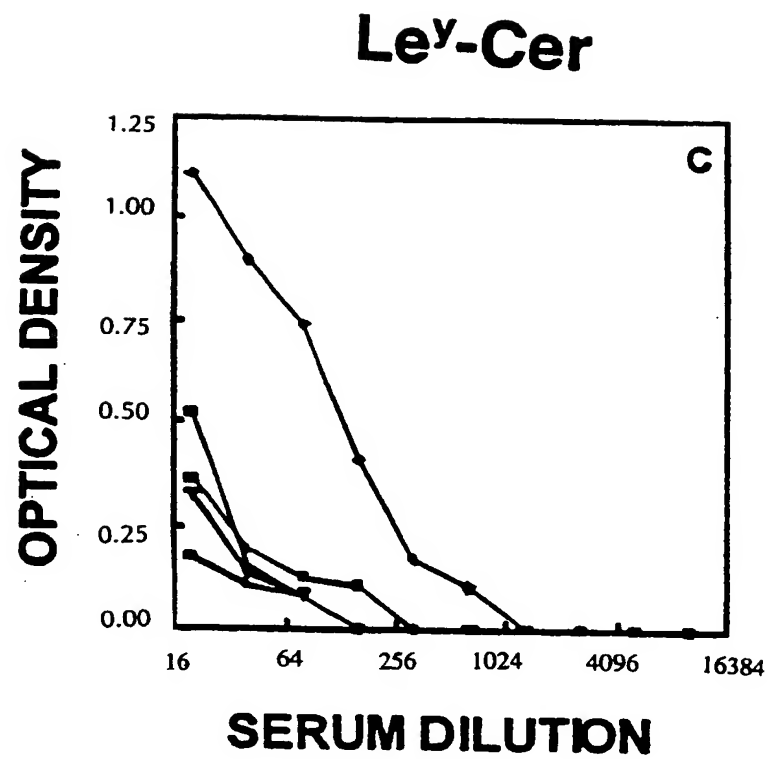
FIG. 31B

Le<sup>y</sup>-Cer



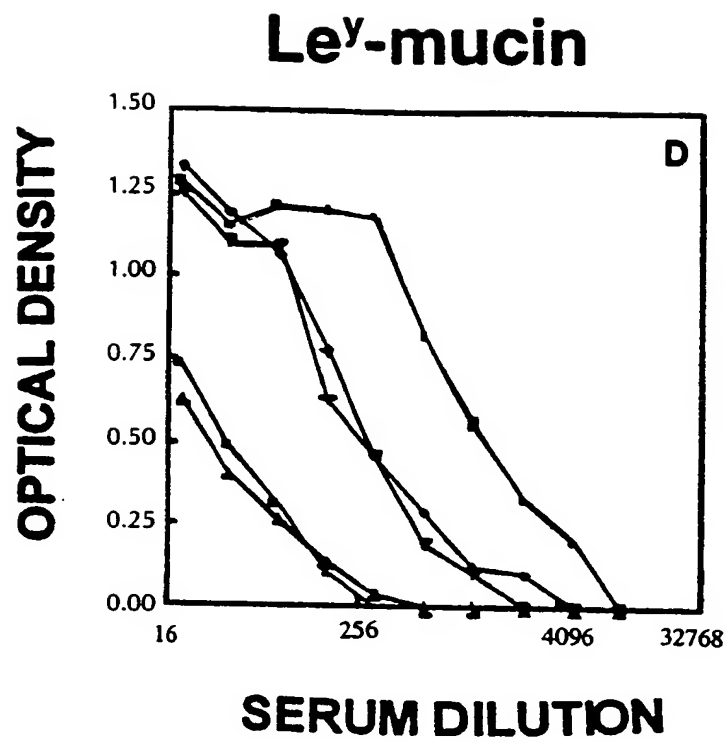
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FIG. 31C



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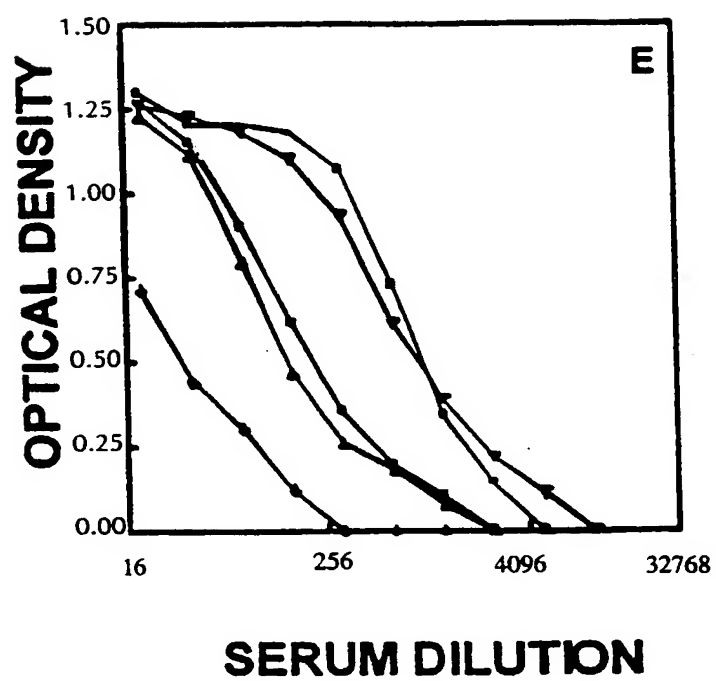
FIG. 31D



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FIG. 31E

**Le<sup>y</sup>-mucin**



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FIG. 31F

